

Converting Colors

XYZ(77.3144, 83.9169,
104.9068)

Have a look what the booklet for
XYZ(77.3144, 83.9169, 104.9068)
contains.

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Color

**XYZ(77.5050, 84.1637,
105.0888)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F0FD
RGB	217, 240, 253
RGB Percent	85%, 94%, 99%
CMY	0.1490, 0.0588, 0.0078
CMYK	0.14, 0.05, 0.00, 0.01
HSL	202°, 90%, 92%
HSV	202°, 14%, 99%
XYZ	77.5050, 84.1637, 105.0888
YIQ	234.6050, -17.8810, -0.8330

Conversions

Conversions Part 2

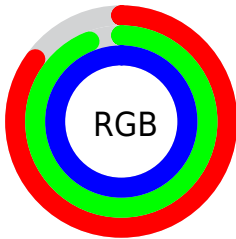
Format	Color
R _Y B	217, 231, 253
Decimal	14283005
CIE Lab	93.52, -4.95, -8.82
CIE LCh	94, 10.113, 240.696
Yxy	84.1637, 0.2905, 0.3155
Android (android.graphics.Color)	4292473085 (0xFFD9F0FD)
YUV	234.6050, 9.0687, -15.4396
Hunter-Lab	91.7408, -9.7449, -3.6980

Details

The XYZ color **77.5050, 84.1637, 105.0888** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3299, 82.4860, 77.2822**, and the grayscale version is **78.6104, 82.7043, 90.0650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0046, 45.9479, 58.8795** is the 20% darker color. If you saturate the color by 10%, you get **67.9326, 75.3393, 103.8914**, and if you desaturate by 10%, it is **88.3705, 93.8602, 106.3891**.

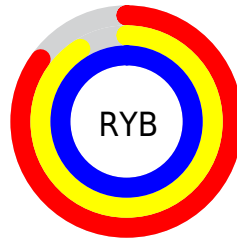
Distribution



Red (85%)

Green (94%)

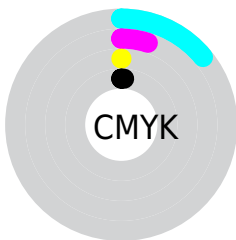
Blue (99%)



Red (85%)

Yellow (91%)

Blue (99%)

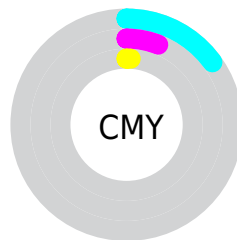


Cyan (14%)

Magenta (5%)

Yellow (0%)

Black (1%)



Cyan (15%)

Magenta (6%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5050, 84.1637, 105.0888 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.5050, 84.1637, 105.0888 by changing the saturation by 10% instead.

■ 77.5050, 84.1637,
105.0888

■ 77.5050, 84.1637,
105.0888

475.3497,
508.8567, 597.7730

■ 57.9688, 63.1506,
79.9167

128.8212,
139.2041, 170.2456

■ 42.0267, 45.9631,
59.1240

161.3318,
174.0003, 211.0674

■ 29.3134, 32.2167,
42.2923

198.8981,
214.1595, 257.9427

■ 19.4635, 21.5270,
29.0030

241.8852,
260.0663, 311.2903

■ 12.1117, 13.5098,
18.8375

290.6585,
312.1051, 371.5286

■ 6.8925, 7.7805,
11.3773

345.5835,

■ 3.4407, 3.9548,

370.6601, 439.0761

6.2038

407.0254,
436.1158, 514.3514

■ 1.3909, 1.6483,
2.8986

■ 0.2497, 0.3899,
1.0431

■ 77.5050, 84.1637,
105.0888

■ 77.5050, 84.1637,
105.0888

■ 67.9326, 75.3393,
103.8914

■ 88.3705, 93.8602,
106.3891

■ 59.5917, 67.3454,
102.7880

94.7299, 99.8720,
107.2143

■ 52.4263, 60.1527,
101.7773

■ 46.3729, 53.7251,
100.8557

■ 41.3617, 48.0237,
100.0194

■ 37.3143, 43.0048,
99.2639

■ 34.1396, 38.6181,
98.5846

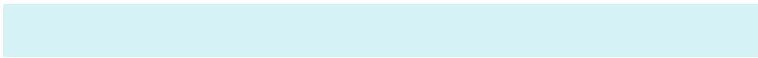
■ 31.7269, 34.8031,
97.9754

■ 30.5907, 32.8136,
97.6512

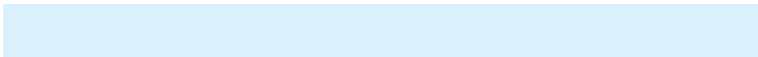
Harmonies

Analogous

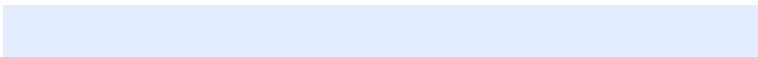
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6551, 84.1637, 99.3636



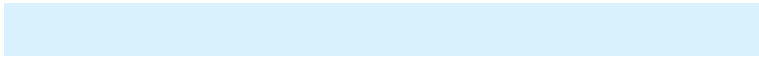
77.5050, 84.1637, 105.0888



80.0575, 84.1637, 107.1655

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5050, 84.1637, 105.0888



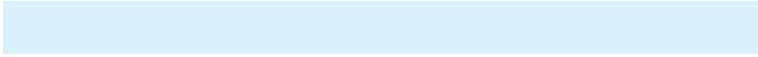
85.2468, 84.1637, 91.4613



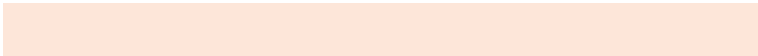
77.3992, 84.1637, 79.5530

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.5050, 84.1637, 105.0888



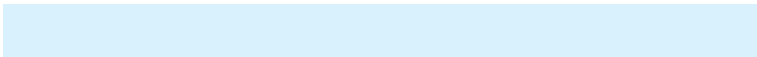
81.3299, 82.4860, 77.2822

Split Complementary

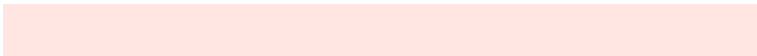
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9327, 84.1637, 77.6914



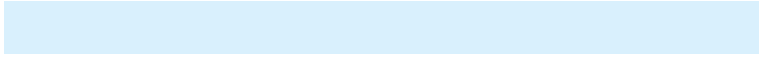
77.5050, 84.1637, 105.0888



84.4979, 84.1637, 84.3273

Square

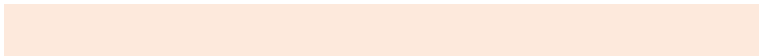
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5050, 84.1637, 105.0888



84.5626, 84.1637, 99.0372



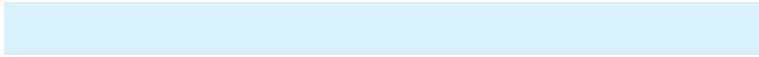
82.5379, 84.1637, 79.3905



75.5950, 84.1637, 84.6205

Rectangle

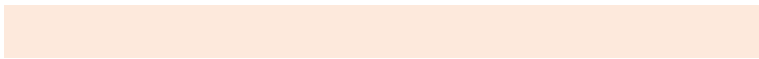
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5050, 84.1637, 105.0888



81.8258, 84.1637, 106.1155



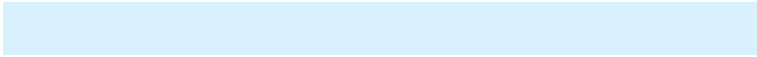
82.5379, 84.1637, 79.3905



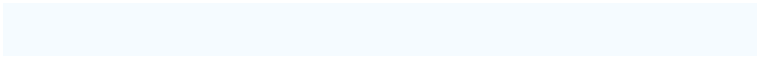
78.1919, 84.1637, 78.5446

Sweetspot

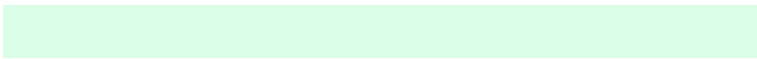
The Sweet Spot groups the original color and five complimentary colors.



77.5075, 84.1672, 105.0907



90.2329, 95.7894, 108.3412



77.9689, 90.6945, 87.9668



19.1249, 20.3369, 23.1674



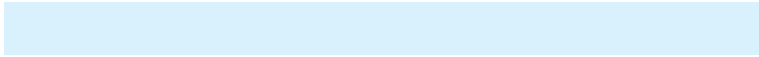
0.0000, 0.0000, 0.0000



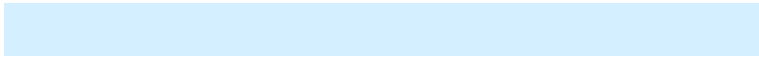
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5075, 84.1672, 105.0907



76.0695, 83.1030, 106.6389



72.5742, 74.3006, 103.4463



17.9710, 19.3136, 23.0307



16.4161, 17.7418, 51.9939



1.7021, 1.9349, 5.0970

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.0510, 76.8015, 92.9943



80.3278, 74.4248, 92.0641



86.4784, 92.7830, 78.9984



18.4980, 18.1825, 21.2397



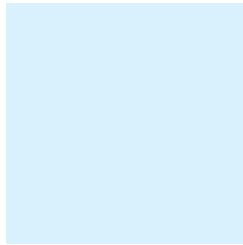
25.0743, 12.5190, 19.5735



2.4938, 1.2399, 2.1815

Previews

White Background



This preview shows how the XYZ color 77.5050, 84.1637, 105.0888 looks on a white background.

Color Contrast Check

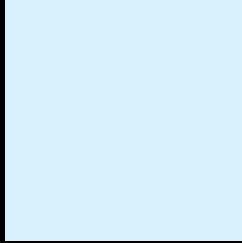
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.5050, 84.1637, 105.0888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

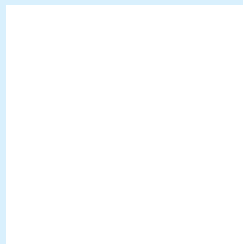
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5050, 84.1637, 105.0888

Background



This preview shows how black text looks on a background with the XYZ color 77.5050, 84.1637, 105.0888.



This preview shows how white text looks on a background with the XYZ color 77.5050, 84.1637,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.5050, 84.1637, 105.0888

Protanopia

81.5557, 84.1517, 102.3869

Deuteranopia

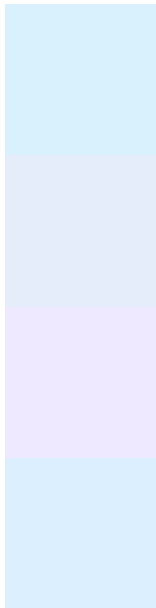
85.4937, 83.5826, 106.2348



Tritanopia

78.7353, 84.3252, 106.7343

Trichromacy



Original Color

77.5050, 84.1637, 105.0888

Protanomaly

80.0099, 84.1914, 103.3004

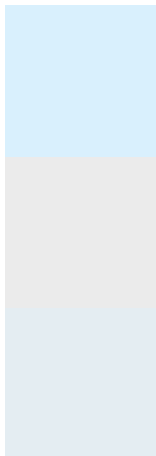
Deuteranomaly

82.2882, 83.6107, 105.5674

Tritanomaly

78.2711, 84.1044, 105.8744

Monochromacy



Original Color

77.5050, 84.1637, 105.0888

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3061, 83.4732, 95.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5050, 84.1637, 105.0888 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(217, 240, 253)` looks like.

```
.text, #text, p{  
    color:rgb(217, 240, 253)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(217, 240, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 240, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.5050, 84.1637, 105.0888 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 240, 253) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(217, 240, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(217, 240, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 240, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 240, 253);  
box-shadow:4px 4px 4px 4px rgb(217, 240,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5050, 84.1637, 105.0888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 240, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(217,  
240, 253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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