

Converting Colors

XYZ(80.1317, 85.9684,
131.3610)

Have a look what the booklet for
XYZ(80.1317, 85.9684, 131.3610)
contains.

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Color

**XYZ(75.2557, 83.8461,
106.8253)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF2FF
RGB	206, 242, 255
RGB Percent	81%, 95%, 100%
CMY	0.1921, 0.0510, 0.0000
CMYK	0.19, 0.05, 0.00, 0.00
HSL	196°, 100%, 90%
HSV	196°, 19%, 100%
XYZ	75.2557, 83.8461, 106.8253
YIQ	232.7180, -25.6290, -3.5890

Conversions

Conversions Part 2

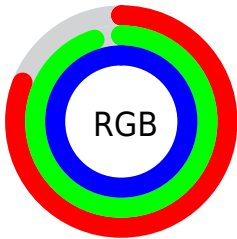
Format	Color
R_{YB}	206, 227, 255
Decimal	13562623
CIE _{Lab}	93.38, -8.92, -10.14
CIE _{LCh}	93, 13.504, 228.666
Yxy	83.8461, 0.2830, 0.3153
Android (android.graphics.Color)	4291752703 (0xFFCEF2FF)
YUV	232.7180, 10.9850, -23.4317
Hunter-Lab	91.5675, -13.5411, -5.0722

Details

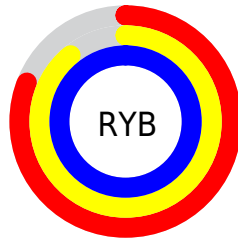
The XYZ color **75.2557, 83.8461, 106.8253** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.7117, 76.3780, 69.0407**, and the grayscale version is **77.1758, 81.1950, 88.4213**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5144, 45.7743, 60.1261** is the 20% darker color. If you saturate the color by 10%, you get **66.7673, 76.5391, 105.8623**, and if you desaturate by 10%, it is **84.9714, 91.9007, 107.8679**.

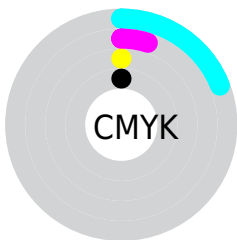
Distribution



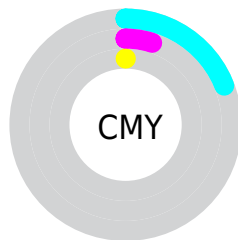
- Red (81%)
- Green (95%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2557, 83.8461, 106.8253 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 75.2557, 83.8461, 106.8253 by changing the saturation by 10% instead.

75.2557, 83.8461,
106.8253

75.2557, 83.8461,
106.8253

467.7796,
507.8020, 603.2931

56.1173, 62.8884,
81.3642

125.6602,
138.7599, 172.6389

40.5344, 45.7509,
60.3088

157.6571,
173.4847, 213.8285

28.1415, 32.0493,
43.2407

194.6708,
213.5674, 261.0980

18.5733, 21.3992,
29.7412

237.0667,
259.3923, 314.8660

11.4646, 13.4161,
19.3919

285.2102,
311.3438, 375.5509

6.4498, 7.7157,
11.7741

339.4666,

3.1637, 3.9136,

369.8063, 443.5714

6.4694

400.2013,
435.1643, 519.3460

■ 1.2409, 1.6253,
3.0592

■ 0.1383, 0.3746,
1.1249

■ 75.2557, 83.8461,
106.8253

■ 75.2557, 83.8461,
106.8253

■ 66.7673, 76.5391,
105.8623

■ 84.9714, 91.9007,
107.8679

■ 59.4434, 69.9395,
104.9744

95.0500, 100.0000,
108.9000

■ 53.2257, 64.0184,
104.1592

■ 48.0477, 58.7401,
103.4133

■ 43.8354, 54.0655,
102.7330

■ 40.5046, 49.9496,
102.1142

■ 37.9553, 46.3397,
101.5517

■ 36.0371, 43.1570,
101.0385

■ 35.8989, 42.9178,
100.9996

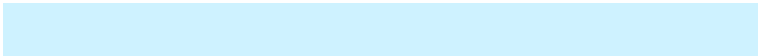
Harmonies

Analogous

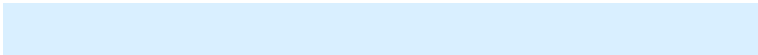
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3802, 83.8461, 97.7155



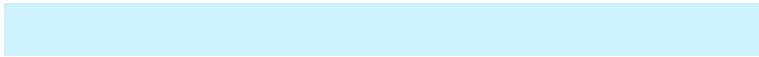
75.2557, 83.8461, 106.8253



78.3550, 83.8461, 111.9042

Triad

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



75.2557, 83.8461, 106.8253



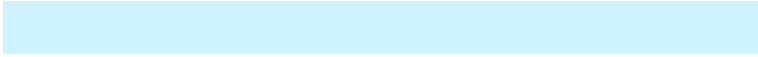
86.5976, 83.8461, 95.2029



77.5217, 83.8461, 73.9465

Complementary

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



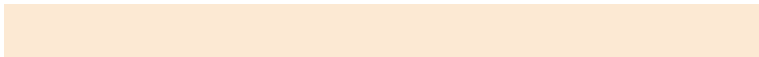
75.2557, 83.8461, 106.8253



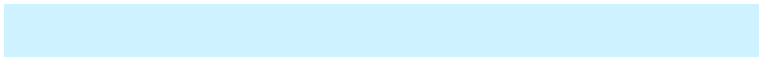
77.7117, 76.3780, 69.0407

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.



81.0466, 83.8461, 73.3840



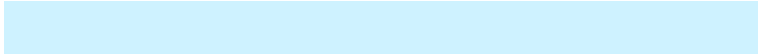
75.2557, 83.8461, 106.8253



86.3583, 83.8461, 85.1605

Square

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



75.2557, 83.8461, 106.8253



84.9462, 83.8461, 104.8685



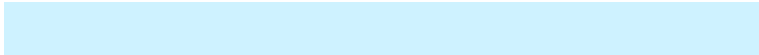
84.3018, 83.8461, 77.3464



74.6614, 83.8461, 78.9449

Rectangle

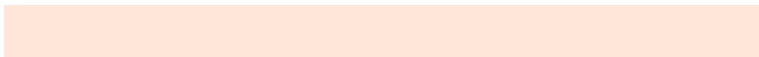
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



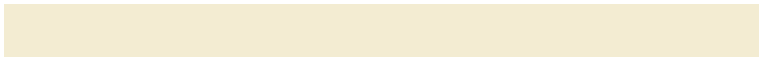
75.2557, 83.8461, 106.8253



80.7294, 83.8461, 112.0860



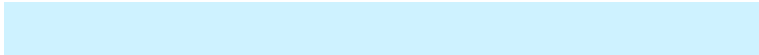
84.3018, 83.8461, 77.3464



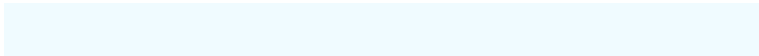
78.6659, 83.8461, 73.2470

Sweetspot

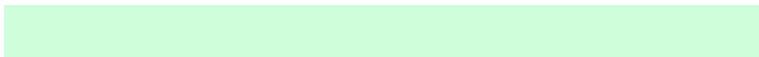
The Sweet Spot groups the original color and five complimentary colors.



75.2579, 83.8494, 106.8258



88.3625, 94.6510, 108.2200



73.9022, 89.7173, 79.9247



18.7634, 20.1382, 23.1481



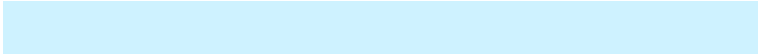
0.0000, 0.0000, 0.0000



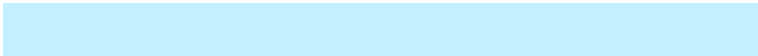
20.3446, 21.4041, 23.3091

Same Dimension

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



75.2579, 83.8494, 106.8258



71.9031, 80.9967, 106.4520



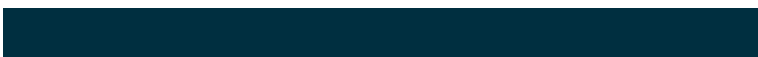
68.6410, 70.6157, 104.6202



18.1234, 19.6183, 23.0815



18.8868, 22.6833, 52.8175



1.9285, 2.3878, 5.1725

Inverse Universe

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



79.3397, 71.8149, 93.6884



76.7048, 67.1563, 90.9262



84.3569, 89.6684, 71.2557



18.5749, 18.2133, 21.6446



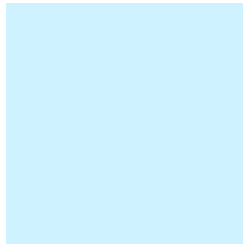
26.3214, 13.0179, 26.1407



2.6080, 1.2856, 2.7834

Previews

White Background



This preview shows how the XYZ color 75.2557, 83.8461, 106.8253 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 75.2557, 83.8461, 106.8253 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 75.2557, 83.8461, 106.8253

Background



This preview shows how black text looks on a background with the XYZ color 75.2557, 83.8461, 106.8253.



This preview shows how white text looks on a background with the XYZ color 75.2557, 83.8461,

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

75.2557, 83.8461, 106.8253

Protanopia

80.9391, 83.4099, 102.2763

Deuteranopia

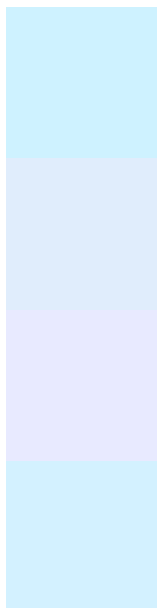
84.7046, 83.5878, 106.2774



Tritanopia

76.9416, 83.8363, 106.7345

Trichromacy



Original Color

75.2557, 83.8461, 106.8253

Protanomaly

78.5953, 83.4439, 104.0593

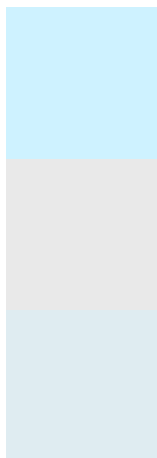
Deuteranomaly

80.7515, 83.2214, 106.4150

Tritanomaly

76.3693, 83.9795, 106.7923

Monochromacy



Original Color

75.2557, 83.8461, 106.8253

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.3041, 82.0298, 95.0308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2557, 83.8461, 106.8253 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(206, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 255)  
}
```

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(206, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.2557, 83.8461, 106.8253 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(206, 242, 255) }
```


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

```
.border{ border-color:rgb(206, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2557, 83.8461, 106.8253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 242, 255) }
```

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

```
.background{ background-color: rgb(206,  
242, 255) }
```

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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