

Converting Colors

XYZ(72.4829, 77.3237, 97.0500)

Have a look what the booklet for
XYZ(72.4829, 77.3237, 97.0500)
contains.

XYZ(72.6503, 77.5724, 96.7318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.6503, 77.5724,
96.7318)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E6F4
RGB	215, 230, 244
RGB Percent	84%, 90%, 96%
CMY	0.1569, 0.0980, 0.0431
CMYK	0.12, 0.06, 0.00, 0.04
HSL	209°, 57%, 90%
HSV	209°, 12%, 96%
XYZ	72.6503, 77.5724, 96.7318
YIQ	227.1110, -13.4340, 1.1740

Conversions

Conversions Part 2

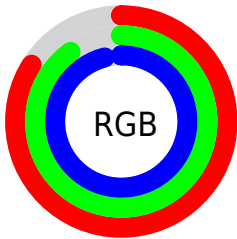
Format	Color
R _Y B	215, 225, 244
Decimal	14149364
CIE Lab	90.58, -2.25, -8.50
CIE LCh	91, 8.792, 255.145
Yxy	77.5724, 0.2942, 0.3141
Android (android.graphics.Color)	4292339444 (0xFFD7E6F4)
YUV	227.1110, 8.3263, -10.6213
Hunter-Lab	88.0752, -6.8929, -3.4648

Details

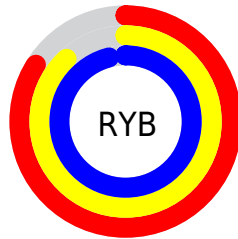
The XYZ color **72.6503, 77.5724, 96.7318** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.5937, 80.1776, 75.6776**, and the grayscale version is **73.0447, 76.8487, 83.6882**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9043, 41.7644, 53.5878** is the 20% darker color. If you saturate the color by 10%, you get **62.8460, 67.8180, 95.3670**, and if you desaturate by 10%, it is **83.7492, 88.3270, 98.2239**.

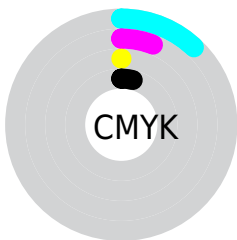
Distribution



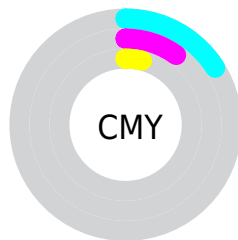
- Red (84%)
- Green (90%)
- Blue (96%)



- Red (84%)
- Yellow (88%)
- Blue (96%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6503, 77.5724, 96.7318 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 72.6503, 77.5724, 96.7318 by changing the saturation by 10% instead.

■ 72.6503, 77.5724,
96.7318

■ 72.6503, 77.5724,
96.7318

458.9245,
486.7134, 570.8198

■ 53.9774, 57.7228,
72.9724

121.9864,
129.9472, 158.6711

■ 38.8142, 41.5858,
53.4617

153.3804,
163.2411, 197.6880

■ 26.7953, 28.7771,
37.7812

189.7455,
201.7853, 242.6279

■ 17.5553, 18.9123,
25.5124

231.4470,
245.9641, 293.9092

■ 10.7290, 11.6069,
16.2367

278.8503,
296.1619, 351.9505

■ 5.9508, 6.4766,
9.5357

332.3207,

■ 2.8556, 3.1370,

352.7631, 417.1703

4.9906

392.2237,
416.1522, 489.9872

■ 1.0779, 1.2037,
2.1831

■ 0.0065, 0.0647,
0.6646

■ 72.6503, 77.5724,
96.7318

■ 72.6503, 77.5724,
96.7318

■ 62.8460, 67.8180,
95.3670

■ 83.7492, 88.3270,
98.2239

■ 54.2779, 59.0211,
94.1206

■ 92.8712, 98.3953,
99.6865

■ 46.8932, 51.1499,
92.9905

■ 93.3294, 99.3117,
99.8392

■ 40.6322, 44.1668,
91.9726

■ 35.4297, 38.0310,
91.0625

■ 31.2131, 32.6978,
90.2553

■ 27.8992, 28.1166,
89.5457

■ 25.3888, 24.2283,
88.9275

■ 23.8204, 21.5138,
88.4862

Harmonies

Analogous

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



70.7846, 77.5724, 93.3523



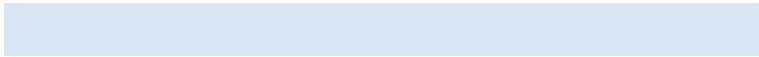
72.6503, 77.5724, 96.7318



74.8418, 77.5724, 96.7144

Triad

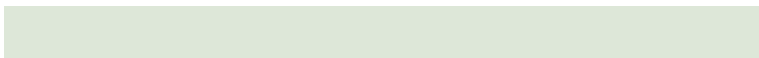
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6503, 77.5724, 96.7318



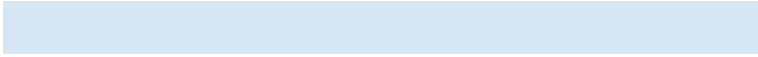
77.8923, 77.5724, 81.3351



70.7699, 77.5724, 76.1976

Complementary

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



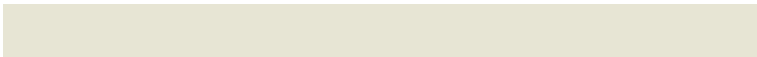
72.6503, 77.5724, 96.7318



77.5937, 80.1776, 75.6776

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.



72.6298, 77.5724, 73.2929



72.6503, 77.5724, 96.7318



76.7564, 77.5724, 76.1570

Square

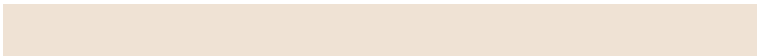
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6503, 77.5724, 96.7318



77.8981, 77.5724, 87.6095



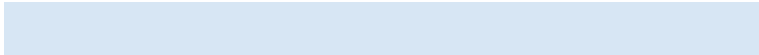
74.8208, 77.5724, 73.2784



69.7138, 77.5724, 81.3930

Rectangle

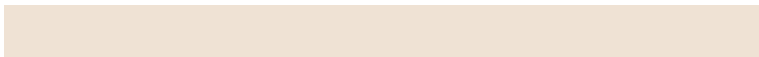
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6503, 77.5724, 96.7318



76.1940, 77.5724, 94.7694



74.8208, 77.5724, 73.2784



71.3201, 77.5724, 74.9326

Sweetspot

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



72.6526, 77.5756, 96.7335



89.8460, 95.0156, 108.2122



74.4541, 84.7809, 86.2291



19.0269, 20.1410, 23.1347



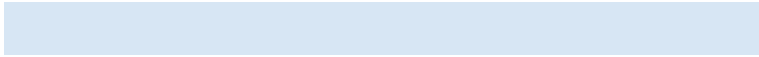
0.0000, 0.0000, 0.0000



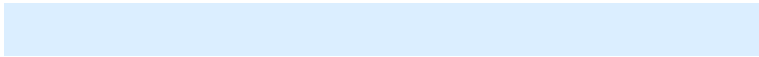
20.3446, 21.4041, 23.3091

Same Dimension

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



72.6526, 77.5756, 96.7335



77.8613, 83.3416, 106.5906



68.9022, 70.0749, 95.4834



16.2903, 17.3450, 21.0319



13.0897, 11.9732, 48.1592



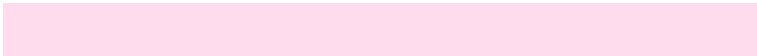
1.2534, 1.2581, 4.2670

Inverse Universe

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



75.8934, 73.5488, 85.0630



82.0486, 78.2392, 91.4888



81.6358, 88.2618, 77.0250



16.8571, 16.6257, 18.9942



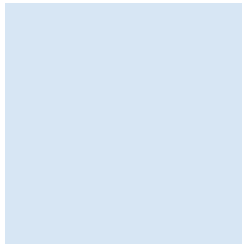
22.4116, 11.3081, 12.1418



2.0217, 1.0146, 1.3407

Previews

White Background



This preview shows how the XYZ color 72.6503, 77.5724, 96.7318 looks on a white background.

Color Contrast Check

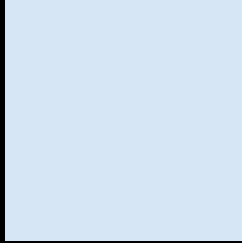
Large Text (above 18pt) WCAG AA × Fail

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 72.6503, 77.5724, 96.7318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

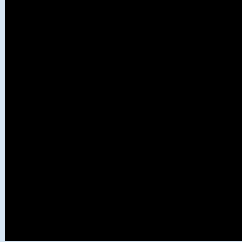
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

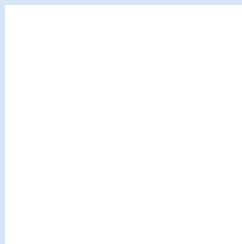
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6503, 77.5724, 96.7318

Background



This preview shows how black text looks on a background with the XYZ color 72.6503, 77.5724, 96.7318.



This preview shows how white text looks on a background with the XYZ color 72.6503, 77.5724,

96.7318.

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

72.6503, 77.5724, 96.7318

Protanopia

75.2183, 77.2975, 94.9599

Deuteranopia

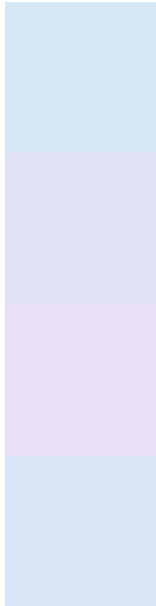
79.1090, 77.2440, 97.9289



Tritanopia

73.2815, 77.4149, 99.8872

Trichromacy



Original Color

72.6503, 77.5724, 96.7318

Protanomaly

74.0782, 77.0972, 95.7709

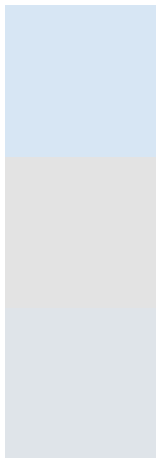
Deuteranomaly

76.4158, 77.0597, 97.2327

Tritanomaly

73.1267, 77.3530, 99.0721

Monochromacy



Original Color

72.6503, 77.5724, 96.7318

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.8828, 77.0580, 88.1231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6503, 77.5724, 96.7318 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(215, 230, 244)` looks like.

```
.text, #text, p{  
    color:rgb(215, 230, 244)  
}
```

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(215, 230, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 230, 244) }
```

Border

The CSS property to change the border of an element to XYZ 72.6503, 77.5724, 96.7318 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(215, 230, 244) }
```


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

```
.border{ border-color:rgb(215, 230, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 230, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 230, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 230, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 230,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6503, 77.5724, 96.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 230, 244) }
```

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

```
.background{ background-color: rgb(215,  
230, 244) }
```

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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