

Converting Colors

XYZ(44.3847, 52.7613, 95.1076)

Have a look what the booklet for
XYZ(44.3847, 52.7613, 95.1076)
contains.

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Color

**XYZ(44.2972, 52.6169,
95.0101)**

Conversions

Conversions Part 1

Format	Color
Hex	6DCBF6
RGB	109, 203, 246
RGB Percent	43%, 80%, 96%
CMY	0.5725, 0.2039, 0.0353
CMYK	0.56, 0.17, 0.00, 0.04
HSL	199°, 88%, 70%
HSV	199°, 56%, 96%
XYZ	44.2972, 52.6169, 95.0101
YIQ	179.7960, -69.8270, -6.5550

Conversions

Conversions Part 2

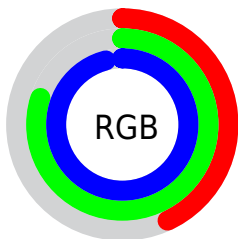
Format	Color
RYB	109, 165, 246
Decimal	7195638
CIELab	77.65, -16.00, -29.65
CIELCh	78, 33.695, 241.654
Yxy	52.6169, 0.2308, 0.2742
Android (android.graphics.Color)	4285385718 (0xFF6DCBF6)
YUV	179.7960, 32.6386, -62.0881
Hunter-Lab	72.5375, -17.9343, -26.8822

Details

The XYZ color **44.2972, 52.6169, 95.0101** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.9963, 43.1556, 20.0594**, and the grayscale version is **43.1323, 45.3785, 49.4172**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **20.9168, 25.6637, 52.5664** is the 20% darker color. If you saturate the color by 10%, you get **39.9057, 47.7141, 94.2962**, and if you desaturate by 10%, it is **49.6296, 58.1416, 95.7964**.

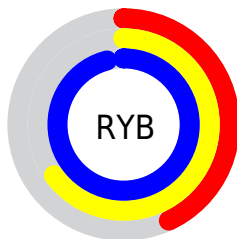
Distribution



Red (43%)

Green (80%)

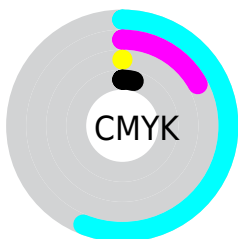
Blue (96%)



Red (43%)

Yellow (65%)

Blue (96%)

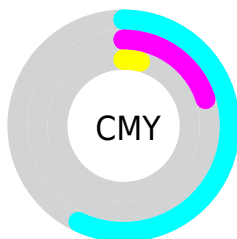


Cyan (56%)

Magenta (17%)

Yellow (0%)

Black (4%)



Cyan (57%)

Magenta (20%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2972, 52.6169, 95.0101 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 44.2972, 52.6169, 95.0101 by changing the saturation by 10% instead.

■ 44.2972, 52.6169,
95.0101

■ 44.2972, 52.6169,
95.0101

354.7515,
396.8136, 565.1825

■ 31.1031, 37.4970,
71.5464

■ 80.9083, 94.0404,
156.2743

■ 20.8296, 25.5926,
52.3037

■ 105.0561,
121.1128, 194.9118

■ 13.1113, 16.5191,
36.8633

■ 133.5859,
152.9382, 239.4445

■ 7.5827, 9.8922,
24.8067

166.8630,
189.9010, 290.2907

■ 3.8787, 5.3275,
15.7154

205.2527,
232.3855, 347.8691

■ 1.6337, 2.4407,
9.1708

249.1205,

■ 0.4142, 0.8467,

280.7762, 412.5982

4.7544

298.8316,
335.4574, 484.8964

■ 0.0000, 0.0000,
2.0477

■ 0.0000, 0.0000,
0.5844

■ 44.2972, 52.6169,
95.0101

■ 44.2972, 52.6169,
95.0101

■ 39.9057, 47.7141,
94.2962

■ 49.6296, 58.1416,
95.7964

■ 36.3760, 43.3875,
93.6471

■ 55.9632, 64.3182,
96.6548

■ 33.6237, 39.5925,
93.0597

■ 63.3591, 71.1810,
97.5896

■ 31.5426, 36.2724,
92.5285

■ 71.8718, 78.7599,
98.6039

■ 30.7835, 34.9514,
92.3135

■ 81.5519, 87.0828,
99.7001

■ 91.8526, 95.8696,
100.8533

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



40.0897, 52.6169, 78.2504



44.2972, 52.6169, 95.0101



50.3732, 52.6169, 101.1417

Triad

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



44.2972, 52.6169, 95.0101



63.6029, 52.6169, 56.2615



43.7221, 52.6169, 31.8621

Complementary

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



44.2972, 52.6169, 95.0101



51.9963, 43.1556, 20.0594

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.



49.6501, 52.6169, 28.3973



44.2972, 52.6169, 95.0101



61.4468, 52.6169, 40.4541

Square

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



44.2972, 52.6169, 95.0101



61.8625, 52.6169, 76.0631



56.1957, 52.6169, 31.1669



39.7785, 52.6169, 41.8931

Rectangle

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



44.2972, 52.6169, 95.0101



54.7760, 52.6169, 97.5104



56.1957, 52.6169, 31.1669



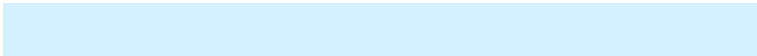
45.5303, 52.6169, 30.0027

Sweetspot

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



44.2989, 52.6188, 95.0114



76.6726, 84.3091, 106.8399



44.7772, 71.3693, 40.3143



15.9990, 17.6823, 22.8197



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.



44.2989, 52.6188, 95.0114



42.6939, 51.0603, 102.2132



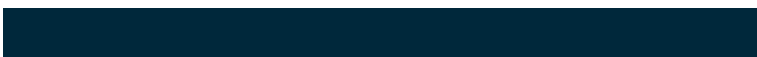
31.8037, 27.6285, 90.8463



16.5324, 17.8291, 21.1126



16.5620, 18.9178, 49.3166



1.5473, 1.8461, 4.3650

Inverse Universe

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



54.2557, 34.8438, 60.3677



55.0088, 31.8587, 58.7402



65.9951, 71.1531, 24.7257



16.9793, 16.6746, 19.6376



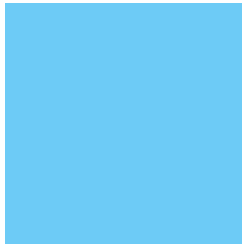
24.1642, 12.0091, 21.3711



2.1701, 1.0740, 2.1220

Previews

White Background



This preview shows how the XYZ color 44.2972, 52.6169, 95.0101 looks on a white background.

Color Contrast Check

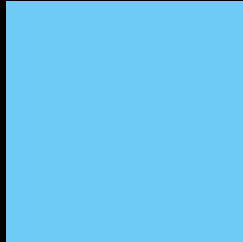
Large Text (above 18pt) WCAG AA × Fail

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 44.2972, 52.6169, 95.0101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

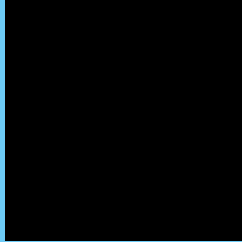
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.2972, 52.6169, 95.0101

Background



This preview shows how black text looks on a background with the XYZ color 44.2972, 52.6169, 95.0101.

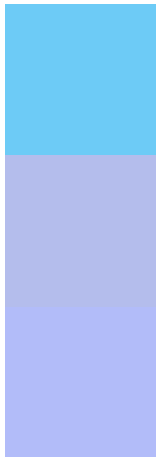


This preview shows how white text looks on a background with the XYZ color 44.2972, 52.6169,

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

44.2972, 52.6169, 95.0101

Protanopia

52.1603, 52.1546, 86.6746

Deuteranopia

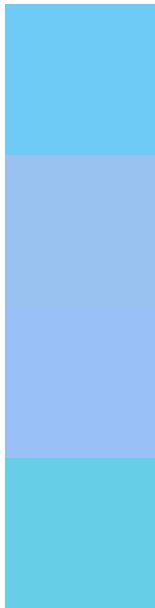
53.4422, 52.2710, 96.8951



Tritanopia

41.0229, 52.7168, 78.5342

Trichromacy



Original Color

44.2972, 52.6169, 95.0101

Protanomaly

48.3464, 51.7449, 89.8777

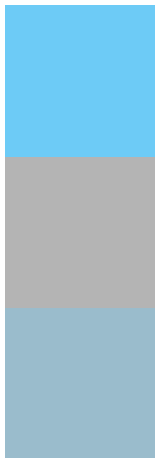
Deuteranomaly

49.1501, 51.6895, 96.1935

Tritanomaly

42.2303, 52.8524, 84.3197

Monochromacy



Original Color

44.2972, 52.6169, 95.0101

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.2087, 47.1961, 64.0119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2972, 52.6169, 95.0101 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(109, 203, 246)` looks like.

```
.text, #text, p{  
    color:rgb(109, 203, 246)  
}
```

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(109, 203, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 203, 246) }
```

Border

The CSS property to change the border of an element to XYZ 44.2972, 52.6169, 95.0101 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(109, 203, 246) }
```


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

```
.border{ border-color:rgb(109, 203, 246) }
```

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

Here you see how a box with a 4 pixel rgb(109, 203, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 203, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 203, 246);  
box-shadow:4px 4px 4px 4px rgb(109, 203,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2972, 52.6169, 95.0101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 203, 246) }
```

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

```
.background{ background-color: rgb(109,  
203, 246) }
```

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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