

Converting Colors

XYZ(46.6396, 55.1868, 96.0503)

Have a look what the booklet for
XYZ(46.6396, 55.1868, 96.0503)
contains.

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Color

**XYZ(46.7091, 55.2630,
96.2007)**

Conversions

Conversions Part 1

Format	Color
Hex	77CFF7
RGB	119, 207, 247
RGB Percent	47%, 81%, 97%
CMY	0.5333, 0.1882, 0.0314
CMYK	0.52, 0.16, 0.00, 0.03
HSL	199°, 89%, 72%
HSV	199°, 52%, 97%
XYZ	46.7091, 55.2630, 96.2007
YIQ	185.2480, -65.2880, -6.2160

Conversions

Conversions Part 2

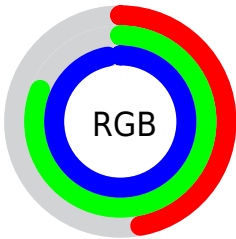
Format	Color
R _Y B	119, 171, 247
Decimal	7852023
CIE Lab	79.19, -15.74, -27.79
CIE LCh	79, 31.937, 240.467
Yxy	55.2630, 0.2357, 0.2789
Android (android.graphics.Color)	4286042103 (0xFF77CFF7)
YUV	185.2480, 30.4437, -58.0995
Hunter-Lab	74.3391, -17.9374, -24.6886

Details

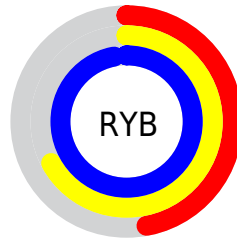
The XYZ color **46.7091, 55.2630, 96.2007** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.0872, 45.9042, 23.4644**, and the grayscale version is **46.1157, 48.5173, 52.8353**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **22.4261, 27.3848, 53.3940** is the 20% darker color. If you saturate the color by 10%, you get **41.9252, 50.0893, 95.4552**, and if you desaturate by 10%, it is **52.4688, 61.0777, 97.0205**.

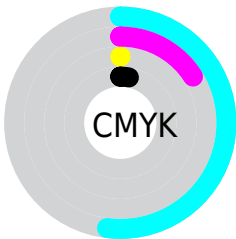
Distribution



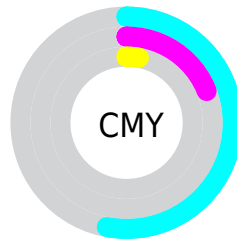
- Red (47%)
- Green (81%)
- Blue (97%)



- Red (47%)
- Yellow (67%)
- Blue (97%)



- Cyan (52%)
- Magenta (16%)
- Yellow (0%)
- Black (3%)



- Cyan (53%)
- Magenta (19%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7091, 55.2630, 96.2007 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 46.7091, 55.2630, 96.2007 by changing the saturation by 10% instead.

■ 46.7091, 55.2630,
96.2007

■ 46.7091, 55.2630,
96.2007

364.3205,
406.9081, 569.0840

■ 33.0127, 39.6123,
72.5323

■ 84.5006, 97.9262,
157.9322

■ 22.2955, 27.2364,
53.1041

■ 109.3265,
125.7075, 196.8324

■ 14.1920, 17.7509,
37.4976

■ 138.5929,
158.3011, 241.6470

■ 8.3369, 10.7713,
25.2942

172.6652,
196.0915, 292.7944

■ 4.3649, 5.9132,
16.0754

211.9088,
239.4630, 350.6933

■ 1.9106, 2.7924,
9.4226

256.6889,

■ 0.5830, 1.0243,

288.8000, 415.7622

4.9173

307.3711,
344.4869, 488.4196

■ 0.0000, 0.0000,
2.1409

■ 0.0000, 0.0000,
0.6400

■ 46.7091, 55.2630,
96.2007

■ 46.7091, 55.2630,
96.2007

■ 41.9252, 50.0893,
95.4552

■ 52.4688, 61.0777,
97.0205

■ 38.0406, 45.5118,
94.7764

■ 59.2623, 67.5619,
97.9140

■ 34.9755, 41.4887,
94.1614

■ 67.1494, 74.7493,
98.8856

■ 32.6319, 37.9674,
93.6053

■ 76.1834, 82.6692,
99.9382

■ 31.1286, 35.3953,
93.1881

■ 86.4141, 91.3490,
101.0743

■ 93.2537, 98.4254,
102.0797

■ 93.7887, 99.4955,
102.2581

Harmonies

Analogous

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



42.6477, 55.2630, 79.7976



46.7091, 55.2630, 96.2007



52.6259, 55.2630, 102.5749

Triad

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



46.7091, 55.2630, 96.2007



65.7698, 55.2630, 59.8861



46.5491, 55.2630, 34.6900

Complementary

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



46.7091, 55.2630, 96.2007



54.0872, 45.9042, 23.4644

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.



52.4259, 55.2630, 31.4384



46.7091, 55.2630, 96.2007



63.8224, 55.2630, 44.0610

Square

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



46.7091, 55.2630, 96.2007



63.9363, 55.2630, 79.2003



58.8065, 55.2630, 34.4920



42.5607, 55.2630, 44.4652

Rectangle

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



46.7091, 55.2630, 96.2007



56.9323, 55.2630, 99.4447



58.8065, 55.2630, 34.4920



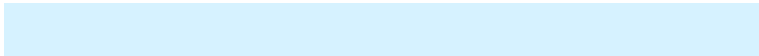
48.3528, 55.2630, 32.8981

Sweetspot

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



46.7109, 55.2651, 96.2020



77.6666, 85.1995, 106.9594



46.9902, 72.8929, 43.6728



16.1966, 17.8613, 22.8439



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.



46.7109, 55.2651, 96.2020



44.9429, 53.7034, 102.6048



34.4625, 30.7682, 92.1192



16.5344, 17.8331, 21.1132



16.5953, 18.9843, 49.3277



1.5501, 1.8515, 4.3659

Inverse Universe

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



56.2187, 37.4747, 63.3038



56.5968, 34.2275, 61.7580



67.6512, 73.0320, 27.9857



16.9803, 16.6750, 19.6429



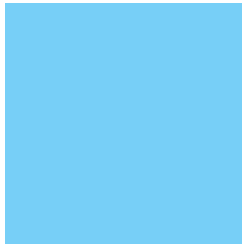
24.1810, 12.0159, 21.4595



2.1715, 1.0745, 2.1293

Previews

White Background



This preview shows how the XYZ color 46.7091, 55.2630, 96.2007 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 46.7091, 55.2630, 96.2007 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 46.7091, 55.2630, 96.2007

Background



This preview shows how black text looks on a background with the XYZ color 46.7091, 55.2630, 96.2007.

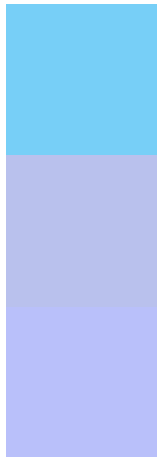


This preview shows how white text looks on a background with the XYZ color 46.7091, 55.2630,

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

46.7091, 55.2630, 96.2007

Protanopia

54.3636, 54.5686, 87.7883

Deuteranopia

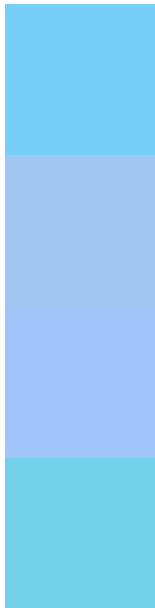
56.1125, 54.9157, 98.0848



Tritanopia

43.5938, 55.0840, 81.0077

Trichromacy



Original Color

46.7091, 55.2630, 96.2007

Protanomaly

50.7692, 54.3161, 91.0273

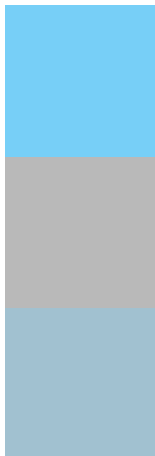
Deuteranomaly

51.7631, 54.3491, 97.3848

Tritanomaly

44.7220, 55.1863, 86.1368

Monochromacy



Original Color

46.7091, 55.2630, 96.2007

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.1531, 50.2711, 66.9980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7091, 55.2630, 96.2007 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(119, 207, 247)` looks like.

```
.text, #text, p{  
    color:rgb(119, 207, 247)  
}
```

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(119, 207, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 207, 247) }
```

Border

The CSS property to change the border of an element to XYZ 46.7091, 55.2630, 96.2007 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(119, 207, 247) }
```


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

```
.border{ border-color:rgb(119, 207, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 207, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 207, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 207, 247);  
box-shadow:4px 4px 4px 4px rgb(119, 207,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7091, 55.2630, 96.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 207, 247) }
```

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

```
.background{ background-color: rgb(119,  
207, 247) }
```

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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