

Converting Colors

XYZ(46.9351, 55.8767, 96.3085)

Have a look what the booklet for
XYZ(46.9351, 55.8767, 96.3085)
contains.

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Color

**XYZ(46.8156, 55.6787,
96.2753)**

Conversions

Conversions Part 1

Format	Color
Hex	76D0F7
RGB	118, 208, 247
RGB Percent	46%, 82%, 97%
CMY	0.5372, 0.1843, 0.0314
CMYK	0.52, 0.16, 0.00, 0.03
HSL	198°, 89%, 72%
HSV	198°, 52%, 97%
XYZ	46.8156, 55.6787, 96.2753
YIQ	185.5360, -66.1590, -6.9510

Conversions

Conversions Part 2

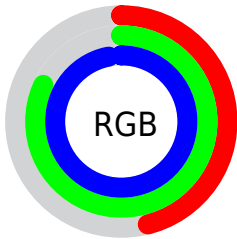
Format	Color
R _Y B	118, 171, 247
Decimal	7786743
CIE Lab	79.43, -16.47, -27.43
CIE LCh	79, 31.991, 239.016
Yxy	55.6787, 0.2355, 0.2801
Android (android.graphics.Color)	4285976823 (0xFF76D0F7)
YUV	185.5360, 30.3018, -59.2291
Hunter-Lab	74.6182, -18.5905, -24.2656

Details

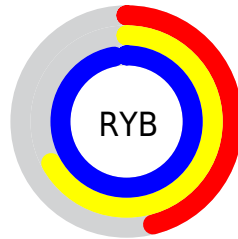
The XYZ color **46.8156, 55.6787, 96.2753** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.6863, 45.1979, 23.0360**, and the grayscale version is **46.2771, 48.6871, 53.0203**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **22.4809, 27.6571, 53.4437** is the 20% darker color. If you saturate the color by 10%, you get **42.1125, 50.6158, 95.5470**, and if you desaturate by 10%, it is **52.4861, 61.3698, 97.0760**.

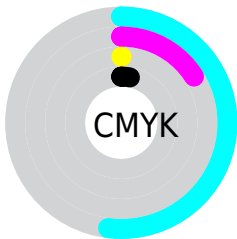
Distribution



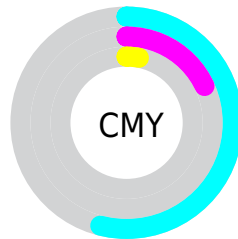
- Red (46%)
- Green (82%)
- Blue (97%)



- Red (46%)
- Yellow (67%)
- Blue (97%)



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



- Cyan (54%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8156, 55.6787, 96.2753 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 46.8156, 55.6787, 96.2753 by changing the saturation by 10% instead.

■ 46.8156, 55.6787,
96.2753

■ 46.8156, 55.6787,
96.2753

364.7392,
408.4795, 569.3280

■ 33.0972, 39.9454,
72.5941

■ 84.6587, 98.5346,
158.0360

■ 22.3605, 27.4960,
53.1543

■ 109.5142,
126.4261, 196.9526

■ 14.2401, 17.9461,
37.5374

■ 138.8128,
159.1390, 241.7848

■ 8.3707, 10.9113,
25.3248

172.9197,
197.0577, 292.9511

■ 4.3868, 6.0072,
16.0980

212.2005,
240.5668, 350.8700

■ 1.9232, 2.8495,
9.4384

257.0205,

■ 0.5903, 1.0536,

290.0505, 415.9601

4.9275

307.7449,
345.8933, 488.6399

■ 0.0000, 0.0000,
2.1468

■ 0.0000, 0.0000,
0.6434

■ 46.8156, 55.6787,
96.2753

■ 46.8156, 55.6787,
96.2753

■ 42.1125, 50.6158,
95.5470

■ 52.4861, 61.3698,
97.0760

■ 38.3002, 46.1365,
94.8833

■ 59.1822, 67.7175,
97.9483

■ 35.2983, 42.1988,
94.2815

■ 66.9637, 74.7554,
98.8966

■ 33.0083, 38.7500,
93.7365

■ 75.8841, 82.5126,
99.9237

■ 31.6036, 36.3453,
93.3464

■ 85.9930, 91.0164,
101.0323

■ 93.0933, 98.1046,
102.0263

■ 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.



42.8410, 55.6787, 79.4458



46.8156, 55.6787, 96.2753



52.7092, 55.6787, 103.3006

Triad

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



46.8156, 55.6787, 96.2753



66.2515, 55.6787, 61.2339



47.1548, 55.6787, 34.6609

Complementary

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



46.8156, 55.6787, 96.2753



53.6863, 45.1979, 23.0360

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.



53.1332, 55.6787, 31.6958



46.8156, 55.6787, 96.2753



64.4696, 55.6787, 45.0388

Square

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



46.8156, 55.6787, 96.2753



64.2281, 55.6787, 80.7119



59.5353, 55.6787, 35.0808



43.0254, 55.6787, 44.1816

Rectangle

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



46.8156, 55.6787, 96.2753



57.0470, 55.6787, 100.5792



59.5353, 55.6787, 35.0808



48.9988, 55.6787, 32.9613

Sweetspot

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



46.8174, 55.6808, 96.2766



77.7905, 85.4473, 107.0007



46.7938, 72.7985, 43.3515



16.2262, 17.9206, 22.8538



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.



46.8174, 55.6808, 96.2766



44.8775, 53.9691, 102.6595



34.2045, 30.4550, 92.0723



16.5492, 17.8626, 21.1182



16.8446, 19.4830, 49.4108



1.5705, 1.8924, 4.3727

Inverse Universe

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



56.2229, 37.2869, 63.9104



56.4670, 33.8051, 62.2169



67.5385, 72.9023, 27.6534



16.9878, 16.6780, 19.6821



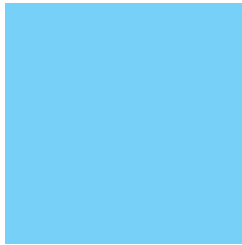
24.3069, 12.0662, 22.1222



2.1818, 1.0787, 2.1836

Previews

White Background



This preview shows how the XYZ color 46.8156, 55.6787, 96.2753 looks on a white background.

Color Contrast Check

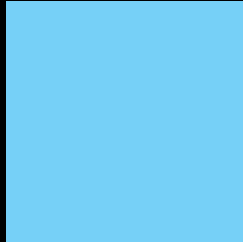
Large Text (above 18pt) WCAG AA × Fail

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 46.8156, 55.6787, 96.2753 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

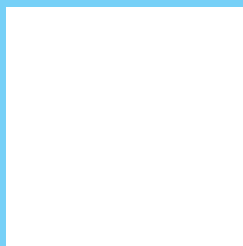
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8156, 55.6787, 96.2753

Background



This preview shows how black text looks on a background with the XYZ color 46.8156, 55.6787, 96.2753.

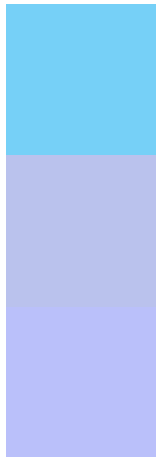


This preview shows how white text looks on a background with the XYZ color 46.8156, 55.6787,

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

46.8156, 55.6787, 96.2753

Protanopia

54.8275, 55.1371, 87.8736

Deuteranopia

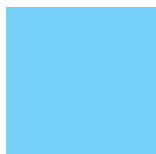
56.3547, 55.0405, 98.0961



Tritanopia

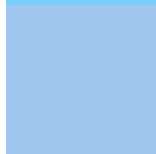
43.8534, 55.5695, 81.8135

Trichromacy



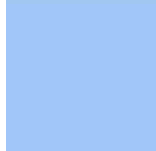
Original Color

46.8156, 55.6787, 96.2753



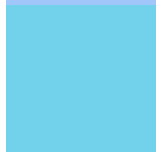
Protanomaly

50.9986, 54.7748, 91.1038



Deuteranomaly

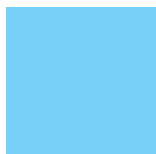
51.9909, 54.8048, 97.4607



Tritanomaly

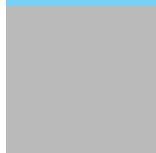
44.9814, 55.6688, 86.9716

Monochromacy



Original Color

46.8156, 55.6787, 96.2753



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

45.3749, 50.7147, 67.0719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8156, 55.6787, 96.2753 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(118, 208, 247)` looks like.

```
.text, #text, p{  
    color:rgb(118, 208, 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(118, 208, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 208, 247) }
```

Border

The CSS property to change the border of an element to XYZ 46.8156, 55.6787, 96.2753 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(118, 208, 247) }
```


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

```
.border{ border-color:rgb(118, 208, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 208, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 208, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 208, 247);  
box-shadow:4px 4px 4px 4px rgb(118, 208,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8156, 55.6787, 96.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 208, 247) }
```

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

```
.background{ background-color: rgb(118,  
208, 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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