

Converting Colors

XYZ(46.8504, 56.5461, 91.9438)

Have a look what the booklet for
XYZ(46.8504, 56.5461, 91.9438)
contains.

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Color

**XYZ(46.8089, 56.5090,
91.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	79D2F1
RGB	121, 210, 241
RGB Percent	47%, 82%, 95%
CMY	0.5255, 0.1765, 0.0549
CMYK	0.50, 0.13, 0.00, 0.05
HSL	195°, 81%, 71%
HSV	195°, 50%, 95%
XYZ	46.8089, 56.5090, 91.6593
YIQ	186.9230, -62.9950, -9.2270

Conversions

Conversions Part 2

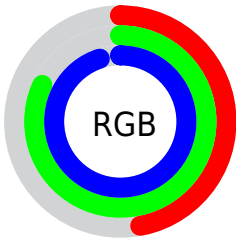
Format	Color
RYB	121, 172, 241
Decimal	7983857
CIELab	79.90, -18.52, -23.49
CIELCh	80, 29.917, 231.748
Yxy	56.5090, 0.2401, 0.2898
Android (android.graphics.Color)	4286173937 (0xFF79D2F1)
YUV	186.9230, 26.6600, -57.8145
Hunter-Lab	75.1725, -20.4022, -19.6728

Details

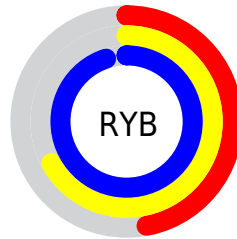
The XYZ color **46.8089, 56.5090, 91.6593** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.9563, 42.5391, 23.6160**, and the grayscale version is **47.0722, 49.5236, 53.9312**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **22.2819, 27.8753, 50.1050** is the 20% darker color. If you saturate the color by 10%, you get **42.3371, 51.9673, 91.0194**, and if you desaturate by 10%, it is **52.1876, 61.6094, 92.3613**.

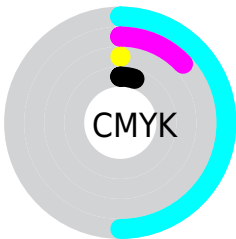
Distribution



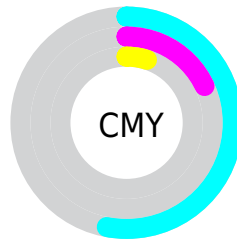
- Red (47%)
- Green (82%)
- Blue (95%)



- Red (47%)
- Yellow (67%)
- Blue (95%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (18%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8089, 56.5090, 91.6593 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 46.8089, 56.5090, 91.6593 by changing the saturation by 10% instead.

■ 46.8089, 56.5090,
91.6593

■ 46.8089, 56.5090,
91.6593

364.7129,
411.6069, 554.1226

■ 33.0919, 40.6112,
68.7762

■ 84.6488, 99.7484,
151.5967

■ 22.3564, 28.0154,
50.0589

■ 109.5024,
127.8588, 189.4881

■ 14.2371, 18.3373,
35.0887

■ 138.7989,
160.8087, 233.2194

■ 8.3686, 11.1924,
23.4471

172.9037,
198.9827, 283.2091

■ 4.3855, 6.1964,
14.7156

212.1822,
242.7652, 339.8757

■ 1.9224, 2.9649,
8.4756

256.9996,

■ 0.5898, 1.1134,

292.5404, 403.6378

4.3087

307.7214,
348.6929, 474.9139

■ 0.0000, 0.0000,
1.7962

■ 0.0000, 0.0000,
0.4254

■ 46.8089, 56.5090,
91.6593

■ 46.8089, 56.5090,
91.6593

■ 42.3371, 51.9673,
91.0194

■ 52.1876, 61.6094,
92.3613

■ 38.7021, 47.9435,
90.4343


■ 58.5259, 67.2931,
93.1243


■ 35.8319, 44.4007,
89.9018


■ 65.8786, 73.5905,
93.9523


■ 33.6387, 41.2927,
89.4174


■ 74.2948, 80.5278,
94.8477


 31.9788, 38.5444,
88.9744

 83.8202, 88.1294,
95.8130

 31.9464, 38.4889,
88.9654

 90.4875, 94.3512,
96.6625

 92.4270, 98.2301,
97.3090

 92.8774, 99.1310,
97.4591

Harmonies

Analogous

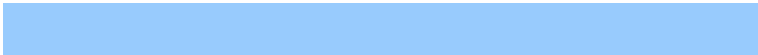
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.5904, 56.5090, 74.7520



46.8089, 56.5090, 91.6593



52.0538, 56.5090, 100.8526

Triad

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



46.8089, 56.5090, 91.6593



66.0974, 56.5090, 66.4475



49.5039, 56.5090, 35.4291

Complementary

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



46.8089, 56.5090, 91.6593



50.9563, 42.5391, 23.6160

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.



55.4012, 56.5090, 34.0416



46.8089, 56.5090, 91.6593



65.2861, 56.5090, 49.9647

Square

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



46.8089, 56.5090, 91.6593



63.3983, 56.5090, 84.6086



61.2583, 56.5090, 38.8513



45.0629, 56.5090, 43.0812

Rectangle

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



46.8089, 56.5090, 91.6593



56.1198, 56.5090, 100.3614



61.2583, 56.5090, 38.8513



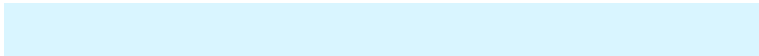
51.3704, 56.5090, 34.2806

Sweetspot

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



46.8107, 56.5111, 91.6606



79.2795, 87.3103, 107.2818



44.9278, 69.2112, 40.2711



16.5434, 18.3355, 22.9171



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.



46.8107, 56.5111, 91.6606



47.9514, 58.8886, 103.4471



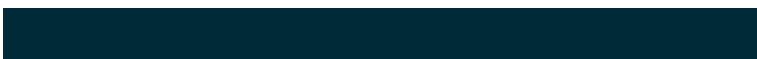
34.8306, 32.5509, 87.6673



15.8817, 17.1974, 20.2040



17.4382, 21.1006, 48.2816



1.5304, 1.9148, 4.0431

Inverse Universe

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



54.7474, 37.0303, 65.2370



58.3184, 35.6936, 68.4272



63.0224, 66.6713, 27.6381



16.2697, 15.9576, 18.9765



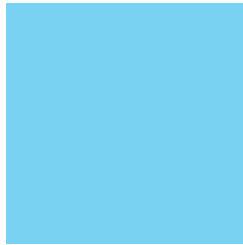
24.1276, 11.9235, 24.3863



2.0474, 1.0080, 2.2405

Previews

White Background



This preview shows how the XYZ color 46.8089, 56.5090, 91.6593 looks on a white background.

Color Contrast Check

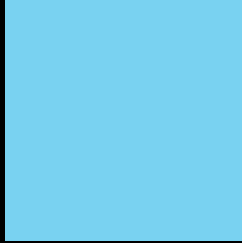
Large Text (above 18pt) WCAG AA × Fail

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 46.8089, 56.5090, 91.6593 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 46.8089, 56.5090, 91.6593

Background



This preview shows how black text looks on a background with the XYZ color 46.8089, 56.5090, 91.6593.



This preview shows how white text looks on a background with the XYZ color 46.8089, 56.5090,

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

46.8089, 56.5090, 91.6593

Protanopia

55.1741, 55.7469, 83.4535

Deuteranopia

57.2896, 55.9390, 94.1640



Tritanopia

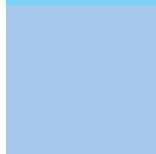
45.0225, 56.5260, 82.6664

Trichromacy



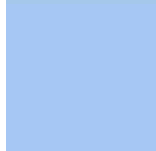
Original Color

46.8089, 56.5090, 91.6593



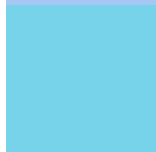
Protanomaly

51.1667, 55.3060, 86.5756



Deuteranomaly

52.4784, 55.4855, 93.5318



Tritanomaly

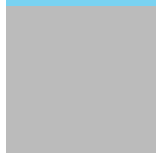
45.4735, 56.3233, 85.5656

Monochromacy



Original Color

46.8089, 56.5090, 91.6593



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.8818, 51.3217, 66.5193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8089, 56.5090, 91.6593 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(121, 210, 241)` looks like.

```
.text, #text, p{  
    color:rgb(121, 210, 241)  
}
```

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(121, 210, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 210, 241) }
```

Border

The CSS property to change the border of an element to XYZ 46.8089, 56.5090, 91.6593 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(121, 210, 241) }
```


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

```
.border{ border-color:rgb(121, 210, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 210, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 210, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 210, 241);  
box-shadow:4px 4px 4px 4px rgb(121, 210,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8089, 56.5090, 91.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 210, 241) }
```

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

```
.background{ background-color: rgb(121,  
210, 241) }
```

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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