

Converting Colors

XYZ(46.7276, 50.8891, 84.8003)

Have a look what the booklet for
XYZ(46.7276, 50.8891, 84.8003)
contains.

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Color

**XYZ(46.7623, 51.0461,
84.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	97C2E9
RGB	151, 194, 233
RGB Percent	59%, 76%, 91%
CMY	0.4078, 0.2392, 0.0863
CMYK	0.35, 0.17, 0.00, 0.09
HSL	209°, 65%, 75%
HSV	209°, 35%, 91%
XYZ	46.7623, 51.0461, 84.4790
YIQ	185.5890, -38.1470, 3.0130

Conversions

Conversions Part 2

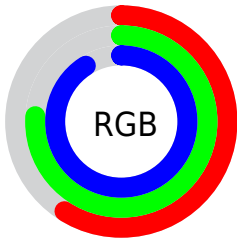
Format	Color
R _Y B	151, 179, 233
Decimal	9945833
CIE Lab	76.71, -4.88, -23.94
CIE LCh	77, 24.430, 258.480
Yxy	51.0461, 0.2565, 0.2800
Android (android.graphics.Color)	4288135913 (0xFF97C2E9)
YUV	185.5890, 23.3736, -30.3346
Hunter-Lab	71.4466, -8.2019, -20.0924

Details

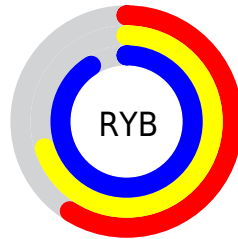
The XYZ color **46.7623, 51.0461, 84.4790** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.6046, 56.3858, 37.1273**, and the grayscale version is **46.3325, 48.7454, 53.0838**.

A 20% lighter version of the original color is **77.9677, 88.8566, 107.6494**, and **22.3905, 24.7655, 45.1951** is the 20% darker color. If you saturate the color by 10%, you get **40.4831, 44.2844, 83.5057**, and if you desaturate by 10%, it is **54.0832, 58.6202, 85.5560**.

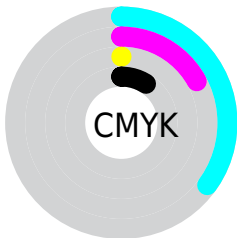
Distribution



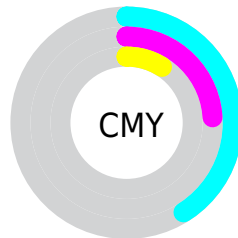
- Red (59%)
- Green (76%)
- Blue (91%)



- Red (59%)
- Yellow (70%)
- Blue (91%)



- Cyan (35%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (41%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7623, 51.0461, 84.4790 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 46.7623, 51.0461, 84.4790 by changing the saturation by 10% instead.

■ 46.7623, 51.0461,
84.4790

■ 46.7623, 51.0461,
84.4790

364.5297,
390.7429, 530.0021

■ 33.0549, 36.2453,
62.8633

■ 84.5796, 91.7229,
141.5127

■ 22.3280, 24.6237,
45.2903

■ 109.4203,
118.3677, 177.7678

■ 14.2160, 15.7969,
31.3416

138.7027,
149.7293, 219.7398

■ 8.3538, 9.3806,
20.5984

172.7924,
186.1921, 267.8473

■ 4.3759, 4.9902,
12.6424

212.0545,
228.1404, 322.5087

■ 1.9169, 2.2415,
7.0550

256.8546,

■ 0.5866, 0.7425,

275.9587, 384.1426

3.4175

307.5578,
330.0314, 453.1675

■ 0.0000, 0.0000,
1.3116

■ 0.0000, 0.0000,
0.0712

■ 46.7623, 51.0461,
84.4790

■ 46.7623, 51.0461,
84.4790

■ 40.4831, 44.2844,
83.5057

■ 54.0832, 58.6202,
85.5560

■ 35.1862, 38.2950,
82.6288

■ 62.4911, 67.0323,
86.7365

■ 30.8132, 33.0428,
81.8455

■ 72.0347, 76.3142,
88.0251

■ 27.2967, 28.4869,
81.1515

■ 82.7578, 86.4939,
89.4248

■ 24.5588, 24.5805,
80.5418

■ 89.9509, 95.1488,
90.7163

■ 22.5049, 21.2679,
80.0106

■ 91.7081, 98.6633,
91.3020

■ 21.6906, 19.8482,
79.7795

Harmonies

Analogous

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



42.8549, 51.0461, 76.9290



46.7623, 51.0461, 84.4790



51.3935, 51.0461, 83.4247

Triad

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



46.7623, 51.0461, 84.4790



57.4564, 51.0461, 47.8873



42.1554, 51.0461, 40.3408

Complementary

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



46.7623, 51.0461, 84.4790



57.6046, 56.3858, 37.1273

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.



45.7514, 51.0461, 34.7441



46.7623, 51.0461, 84.4790



54.6588, 51.0461, 38.5993

Square

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



46.7623, 51.0461, 84.4790



57.7700, 51.0461, 60.8269



50.3167, 51.0461, 34.1618



40.3102, 51.0461, 50.6448

Rectangle

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



46.7623, 51.0461, 84.4790



54.2683, 51.0461, 78.0131



50.3167, 51.0461, 34.1618



43.1886, 51.0461, 37.9220

Sweetspot

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



46.7639, 51.0481, 84.4802



81.3637, 86.8445, 107.0821



51.1170, 68.5440, 58.8336



17.0801, 18.2610, 22.8745



0.0000, 0.0000, 0.0000



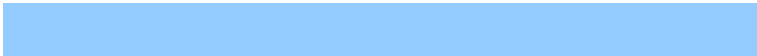
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7639, 51.0481, 84.4802



51.8527, 56.7226, 102.8234



38.9836, 35.4874, 81.8867



14.8849, 15.8562, 19.1983



12.4327, 11.5125, 45.3098



1.0725, 1.0965, 3.5900

Inverse Universe

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



54.4099, 43.3535, 56.5414



62.7209, 46.7711, 62.8888



67.5623, 76.3012, 40.4465



15.3955, 15.1860, 17.3678



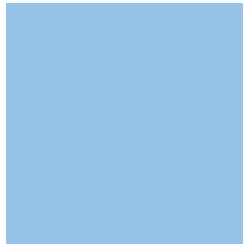
21.1308, 10.6550, 11.7559



1.7079, 0.8561, 1.1790

Previews

White Background



This preview shows how the XYZ color 46.7623, 51.0461, 84.4790 looks on a white background.

Color Contrast Check

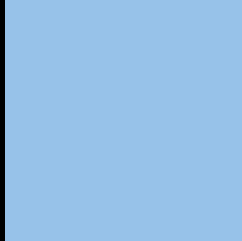
Large Text (above 18pt) WCAG AA × Fail

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 46.7623, 51.0461, 84.4790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

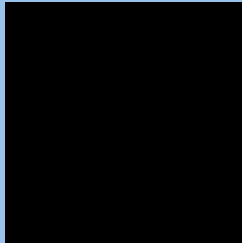
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

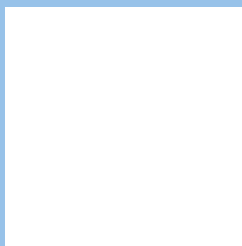
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7623, 51.0461, 84.4790

Background



This preview shows how black text looks on a background with the XYZ color 46.7623, 51.0461, 84.4790.



This preview shows how white text looks on a background with the XYZ color 46.7623, 51.0461,

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

46.7623, 51.0461, 84.4790

Protanopia

50.5963, 50.8454, 80.5462

Deuteranopia

51.8728, 50.7634, 85.6616



Tritanopia

43.8306, 50.8476, 70.4552

Trichromacy



Original Color

46.7623, 51.0461, 84.4790

Protanomaly

49.0586, 50.9751, 82.1164

Deuteranomaly

49.6291, 50.5649, 84.9862

Tritanomaly

44.8709, 50.9431, 75.1782

Monochromacy



Original Color

46.7623, 51.0461, 84.4790

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2107, 49.5912, 63.6364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7623, 51.0461, 84.4790 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(151, 194, 233)` looks like.

```
.text, #text, p{  
    color:rgb(151, 194, 233)  
}
```

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(151, 194, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 194, 233) }
```

Border

The CSS property to change the border of an element to XYZ 46.7623, 51.0461, 84.4790 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(151, 194, 233) }
```


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

```
.border{ border-color:rgb(151, 194, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 194, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 194, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 194, 233);  
box-shadow:4px 4px 4px 4px rgb(151, 194,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7623, 51.0461, 84.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 194, 233) }
```

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

```
.background{ background-color: rgb(151,  
194, 233) }
```

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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