

Converting Colors

XYZ(46.5231, 51.0626,
102.0118)

Have a look what the booklet for
XYZ(46.5231, 51.0626, 102.0118)
contains.

XYZ(46.6920, 51.2890, 102.0466)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.6920, 51.2890,
102.0466)**

Conversions

Conversions Part 1

Format	Color
Hex	80C4FF
RGB	128, 196, 255
RGB Percent	50%, 77%, 100%
CMY	0.4980, 0.2314, 0.0000
CMYK	0.50, 0.23, 0.00, 0.00
HSL	208°, 100%, 75%
HSV	208°, 50%, 100%
XYZ	46.6920, 51.2890, 102.0466
YIQ	182.3940, -59.4670, 3.9330

Conversions

Conversions Part 2

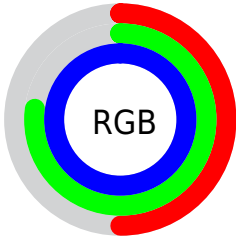
Format	Color
RYB	128, 172, 255
Decimal	8439039
CIELab	76.85, -5.71, -35.63
CIElCh	77, 36.085, 260.896
Yxy	51.2890, 0.2334, 0.2564
Android (android.graphics.Color)	4286629119 (0xFF80C4FF)
YUV	182.3940, 35.7948, -47.7035
Hunter-Lab	71.6163, -8.9512, -34.3513

Details

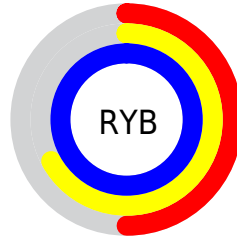
The XYZ color **46.6920, 51.2890, 102.0466** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.9076, 58.3606, 28.3732**, and the grayscale version is **44.5138, 46.8319, 51.0000**.

A 20% lighter version of the original color is **73.3539, 87.4056, 107.6125**, and **22.1808, 24.6165, 57.0085** is the 20% darker color. If you saturate the color by 10%, you get **40.7600, 44.4205, 101.0335**, and if you desaturate by 10%, it is **53.8017, 59.0799, 103.1757**.

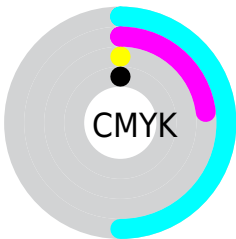
Distribution



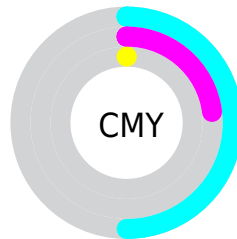
- Red (50%)
- Green (77%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6920, 51.2890, 102.0466 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 46.6920, 51.2890, 102.0466 by changing the saturation by 10% instead.

■ 46.6920, 51.2890,
102.0466

■ 46.6920, 51.2890,
102.0466

364.2533,
391.6856, 588.0371

■ 32.9992, 36.4387,
77.3845

■ 84.4752, 92.0818,
166.0432

■ 22.2850, 24.7732,
57.0550

■ 109.2963,
118.7931, 206.2147

■ 14.1843, 15.9081,
40.6398

■ 138.5576,
150.2268, 252.3931

■ 8.3315, 9.4592,
27.7201

172.6243,
186.7673, 304.9969

■ 4.3614, 5.0419,
17.8776

211.8619,
228.7991, 364.4447

■ 1.9085, 2.2719,
10.6936

256.6357,

■ 0.5818, 0.7588,

276.7064, 431.1550

5.7496

307.3110,
330.8738, 505.5463

■ 0.0000, 0.0000,
2.6271

■ 0.0000, 0.0000,
0.9064

■ 46.6920, 51.2890,
102.0466

■ 46.6920, 51.2890,
102.0466

■ 40.7600, 44.4205,
101.0335

■ 53.8017, 59.0799,
103.1757

■ 35.9226, 38.4212,
100.1305

■ 62.1552, 67.8312,
104.4246

■ 32.0922, 33.2397,
99.3322

■ 71.8186, 77.5848,
105.7979

■ 29.1631, 28.8136,
98.6323

■ 82.8520, 88.3780,
107.2996

■ 26.9694, 25.0495, 95.0500, 100.0000,
98.0213 108.9000

■ 26.9298, 24.9796,
98.0099

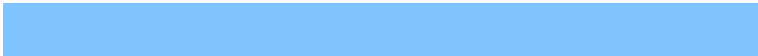
Harmonies

Analogous

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



40.8961, 51.2890, 90.5737



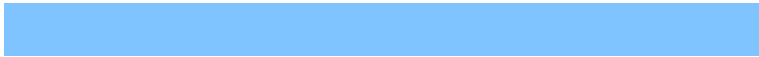
46.6920, 51.2890, 102.0466



53.6046, 51.2890, 99.0746

Triad

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



46.6920, 51.2890, 102.0466



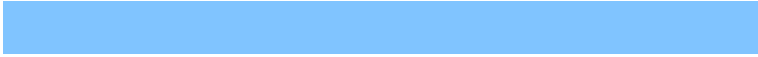
62.1338, 51.2890, 43.4297



39.2157, 51.2890, 35.2527

Complementary

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



46.6920, 51.2890, 102.0466



62.9076, 58.3606, 28.3732

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.



44.1952, 51.2890, 27.4734



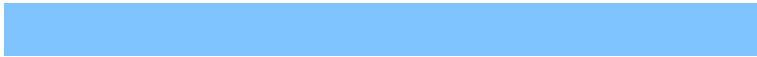
46.6920, 51.2890, 102.0466



57.5471, 51.2890, 31.3677

Square

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



46.6920, 51.2890, 102.0466



62.9617, 51.2890, 62.0356



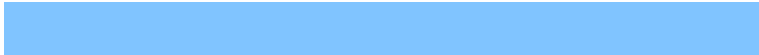
50.8648, 51.2890, 26.2409



36.8537, 51.2890, 50.0806

Rectangle

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



46.6920, 51.2890, 102.0466



57.9008, 51.2890, 89.5295



50.8648, 51.2890, 26.2409



40.6156, 51.2890, 31.8875

Sweetspot

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



46.6936, 51.2908, 102.0468



76.9419, 82.6353, 106.5027



53.4361, 79.6189, 58.5354



15.9789, 17.2064, 22.7289



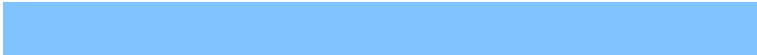
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.6936, 51.2908, 102.0468



40.6537, 44.2931, 101.0145



35.5273, 28.9583, 98.3248



17.8085, 18.9886, 22.9765



14.2225, 13.3545, 51.2627



1.4942, 1.5191, 5.0277

Inverse Universe

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



58.9241, 40.6855, 56.9737



54.6349, 34.2201, 49.0298



78.9044, 90.3540, 33.7055



18.4160, 18.1497, 20.8078



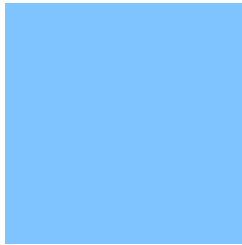
23.9670, 12.0761, 13.7428



2.3888, 1.1979, 1.6288

Previews

White Background



This preview shows how the XYZ color 46.6920, 51.2890, 102.0466 looks on a white background.

Color Contrast Check

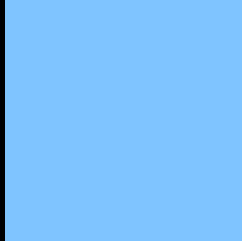
Large Text (above 18pt) WCAG AA × Fail

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 46.6920, 51.2890, 102.0466 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

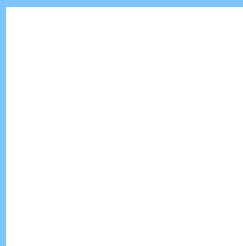
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6920, 51.2890, 102.0466

Background



This preview shows how black text looks on a background with the XYZ color 46.6920, 51.2890, 102.0466.



This preview shows how white text looks on a background with the XYZ color 46.6920, 51.2890,

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

46.6920, 51.2890, 102.0466

Protanopia

51.7269, 51.0886, 95.9417

Deuteranopia

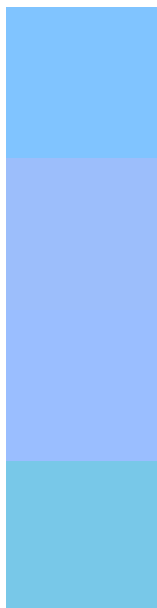
51.9711, 50.7728, 101.6687



Tritanopia

41.3446, 51.5393, 74.7868

Trichromacy



Original Color

46.6920, 51.2890, 102.0466

Protanomaly

49.5363, 50.8599, 98.4729

Deuteranomaly

49.7899, 50.9169, 101.8115

Tritanomaly

42.9655, 51.1278, 83.9481

Monochromacy



Original Color

46.6920, 51.2890, 102.0466

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1792, 47.8255, 67.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6920, 51.2890, 102.0466 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(128, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 255)  
}
```

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(128, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6920, 51.2890, 102.0466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

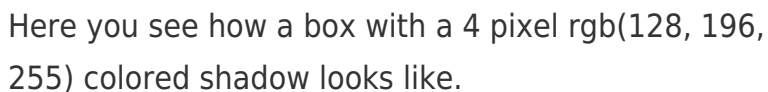
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 196, 255) }
```


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

```
.border{ border-color:rgb(128, 196, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 196, 255); box-shadow:4px 4px 4px 4px rgb(128, 196, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6920, 51.2890, 102.0466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 255) }
```

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

```
.background{ background-color: rgb(128,  
196, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor