

Converting Colors

XYZ(46.8492, 60.7146,
103.8576)

Have a look what the booklet for
XYZ(46.8492, 60.7146, 103.8576)
contains.

XYZ(46.9189, 60.8790, 103.8857)	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(46.9189, 60.8790,
103.8857)**

Conversions

Conversions Part 1

Format	Color
Hex	49DEFF
RGB	73, 222, 255
RGB Percent	29%, 87%, 100%
CMY	0.7137, 0.1294, 0.0000
CMYK	0.71, 0.13, 0.00, 0.00
HSL	191°, 100%, 64%
HSV	191°, 71%, 100%
XYZ	46.9189, 60.8790, 103.8857
YIQ	181.2110, -99.3970, -21.3250

Conversions

Conversions Part 2

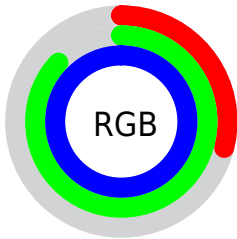
Format	Color
R_{YB}	73, 155, 255
Decimal	4841215
CIE _{Lab}	82.31, -28.61, -27.39
CIE _{LCh}	82, 39.601, 223.752
Yxy	60.8790, 0.2216, 0.2876
Android (android.graphics.Color)	4283031295 (0xFF49DEFF)
YUV	181.2110, 36.3780, -94.9010
Hunter-Lab	78.0250, -29.2060, -24.3237

Details

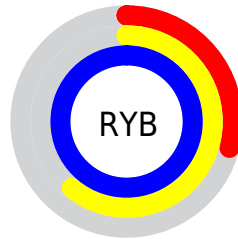
The XYZ color **46.9189, 60.8790, 103.8857** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.5979, 32.0511, 9.9832**, and the grayscale version is **43.8855, 46.1710, 50.2802**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **24.0118, 31.7147, 58.2821** is the 20% darker color. If you saturate the color by 10%, you get **44.1568, 57.6582, 103.4096**, and if you desaturate by 10%, it is **50.5095, 64.5794, 104.4107**.

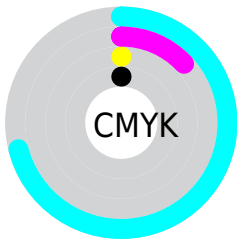
Distribution



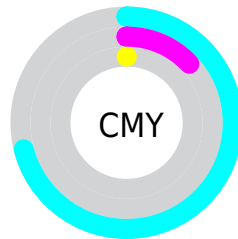
- Red (29%)
- Green (87%)
- Blue (100%)



- Red (29%)
- Yellow (61%)
- Blue (100%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9189, 60.8790, 103.8857 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 46.9189, 60.8790, 103.8857 by changing the saturation by 10% instead.

46.9189, 60.8790,
103.8857

46.9189, 60.8790,
103.8857

365.1450,
427.8302, 593.9328

33.1792, 44.1275,
78.9147

84.8120, 106.1037,
168.5851

22.4237, 30.7708,
58.3048

109.6962,
135.3457, 209.1506

14.2869, 20.4244,
41.6374

139.0259,
169.5201, 255.7514

8.4035, 12.7039,
28.4940

173.1665,
209.0111, 308.8059

4.4082, 7.2250,
18.4561

212.4834,
254.2033, 368.7328

1.9355, 3.6032,
11.1051

257.3418,

0.5974, 1.4542,

305.4809, 435.9505

6.0225

308.1073,
363.2284, 510.8777

■ 0.0000, 0.2561,
2.7898

■ 0.0000, 0.0000,
0.9883

■ 46.9189, 60.8790,
103.8857

■ 46.9189, 60.8790,
103.8857

■ 44.1568, 57.6582,
103.4096

■ 50.5095, 64.5794,
104.4107

■ 42.1141, 54.8566,
102.9765

■ 55.0099, 68.7979,
104.9877

■ 40.7929, 52.7057,
102.6310

■ 60.4971, 73.5759,
105.6208

■ 67.0385, 78.9486,
106.3130

■ 74.6953, 84.9478,
107.0674

■ 83.5239, 91.6029,
107.8867

■ 93.5769, 98.9416,
108.7733

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



43.4935, 60.8790, 77.9560



46.9189, 60.8790, 103.8857



53.4424, 60.8790, 121.6431

Triad

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



46.9189, 60.8790, 103.8857



74.8771, 60.8790, 80.1541



54.0923, 60.8790, 30.6255

Complementary

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



46.9189, 60.8790, 103.8857



47.5979, 32.0511, 9.9832

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.



62.5223, 60.8790, 30.9396



46.9189, 60.8790, 103.8857



75.0945, 60.8790, 55.8445

Square

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



46.9189, 60.8790, 103.8857



69.8226, 60.8790, 105.8283



70.3904, 60.8790, 39.0696



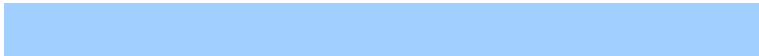
47.3547, 60.8790, 38.0723

Rectangle

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



46.9189, 60.8790, 103.8857



58.9318, 60.8790, 124.2942



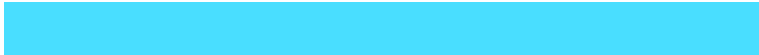
70.3904, 60.8790, 39.0696



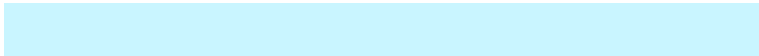
56.8086, 60.8790, 29.8950

Sweetspot

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



46.9206, 60.8811, 103.8860



74.9990, 85.1808, 107.0964



40.9740, 73.9231, 25.0315



15.5732, 17.8624, 22.8769



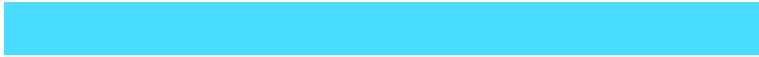
0.0000, 0.0000, 0.0000



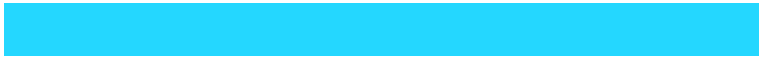
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9206, 60.8811, 103.8860



43.1282, 56.3118, 103.2039



29.2787, 25.5973, 98.0054



18.2583, 19.8882, 23.1264



21.4165, 27.7426, 53.6607



2.1549, 2.8404, 5.2480

Inverse Universe

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



56.8086, 31.3007, 72.1569



54.1582, 27.4222, 66.8890



61.8099, 60.4751, 14.7205



18.6430, 18.2405, 22.0033



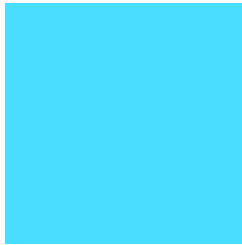
27.5983, 13.5286, 32.8645



2.7223, 1.3313, 3.3849

Previews

White Background



This preview shows how the XYZ color 46.9189, 60.8790, 103.8857 looks on a white background.

Color Contrast Check

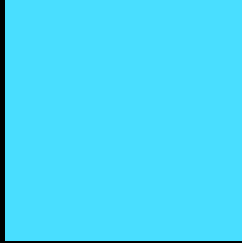
Large Text (above 18pt) WCAG AA × Fail

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 46.9189, 60.8790, 103.8857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

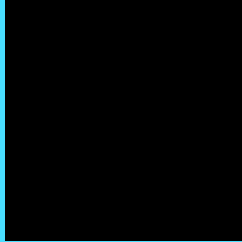
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9189, 60.8790, 103.8857

Background



This preview shows how black text looks on a background with the XYZ color 46.9189, 60.8790, 103.8857.

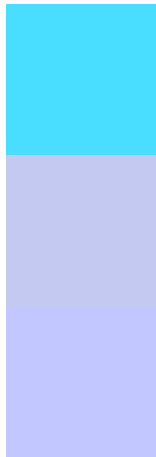


This preview shows how white text looks on a background with the XYZ color 46.9189, 60.8790,

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

46.9189, 60.8790, 103.8857

Protanopia

59.2695, 59.7263, 91.6236

Deuteranopia

60.9524, 59.9979, 102.9760



Tritanopia

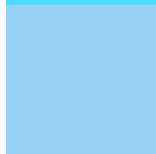
44.7970, 60.8121, 93.3813

Trichromacy



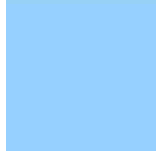
Original Color

46.9189, 60.8790, 103.8857



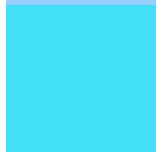
Protanomaly

52.1975, 58.8341, 95.7938



Deuteranomaly

53.1836, 58.8158, 103.1573



Tritanomaly

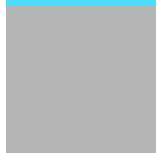
45.4909, 60.6840, 97.3113

Monochromacy



Original Color

46.9189, 60.8790, 103.8857



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.2804, 49.7847, 67.0555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9189, 60.8790, 103.8857 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(73, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 222, 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(73, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9189, 60.8790, 103.8857 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(73, 222, 255) }
```


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

```
.border{ border-color:rgb(73, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9189, 60.8790, 103.8857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 222, 255) }
```

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

```
.background{ background-color: rgb(73, 222,  
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](#).

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