

Converting Colors

XYZ(46.3843, 56.0471, 92.6568)

Have a look what the booklet for
XYZ(46.3843, 56.0471, 92.6568)
contains.

XYZ(46.2987, 55.8633, 92.3469)	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(46.2987, 55.8633,
92.3469)**

Conversions

Conversions Part 1

Format	Color
Hex	76D1F2
RGB	118, 209, 242
RGB Percent	46%, 82%, 95%
CMY	0.5372, 0.1804, 0.0510
CMYK	0.51, 0.14, 0.00, 0.05
HSL	196°, 83%, 71%
HSV	196°, 51%, 95%
XYZ	46.2987, 55.8633, 92.3469
YIQ	185.5530, -64.8290, -9.0290

Conversions

Conversions Part 2

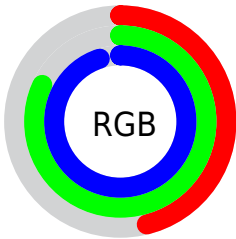
Format	Color
R _Y B	118, 170, 242
Decimal	7786994
CIE Lab	79.54, -18.38, -24.60
CIE LCh	80, 30.707, 233.229
Yxy	55.8633, 0.2380, 0.2872
Android (android.graphics.Color)	4285977074 (0xFF76D1F2)
YUV	185.5530, 27.8284, -59.2440
Hunter-Lab	74.7418, -20.2264, -20.9363

Details

The XYZ color **46.2987, 55.8633, 92.3469** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.9560, 42.3201, 22.6243**, and the grayscale version is **46.2994, 48.7105, 53.0458**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **21.9941, 27.4686, 50.5971** is the 20% darker color. If you saturate the color by 10%, you get **41.8763, 51.2861, 91.6975**, and if you desaturate by 10%, it is **51.6314, 61.0070, 93.0597**.

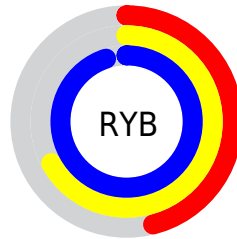
Distribution



Red (46%)

Green (82%)

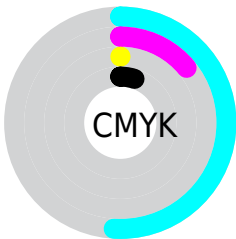
Blue (95%)



Red (46%)

Yellow (67%)

Blue (95%)

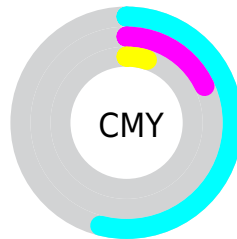


Cyan (51%)

Magenta (14%)

Yellow (0%)

Black (5%)



Cyan (54%)

Magenta (18%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2987, 55.8633, 92.3469 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 46.2987, 55.8633, 92.3469 by changing the saturation by 10% instead.

■ 46.2987, 55.8633,
92.3469

■ 46.2987, 55.8633,
92.3469

362.7041,
409.1761, 556.4019

■ 32.6872, 40.0933,
69.3442

■ 83.8910, 98.8047,
152.5580

■ 22.0450, 27.6113,
50.5185

■ 108.6025,
126.7449, 190.6034

■ 14.0068, 18.0329,
35.4515

■ 137.7447,
159.5106, 234.5001

■ 8.2071, 10.9736,
23.7246

171.6830,
197.4863, 284.6666

■ 4.2807, 6.0491,
14.9191

210.7827,
241.0563, 341.5215

■ 1.8621, 2.8749,
8.6167

255.4093,

■ 0.5547, 1.0668,

290.6050, 405.4833

4.3986

305.9279,
346.5168, 476.9706

■ 0.0000, 0.0000,
1.8465

■ 0.0000, 0.0000,
0.4583

■ 46.2987, 55.8633,
92.3469

■ 46.2987, 55.8633,
92.3469

■ 41.8763, 51.2861,
91.6975

■ 51.6314, 61.0070,
93.0597

■ 38.2923, 47.2337,
91.1042

■ 57.9288, 66.7426,
93.8349

■ 35.4721, 43.6676,
90.5645

■ 65.2468, 73.1015,
94.6765

■ 33.3244, 40.5397,
90.0740

■ 73.6355, 80.1103,
95.5873

■ 31.8680, 38.0925,
89.6784

■ 83.1418, 87.7944,
96.5694

■ 90.7254, 94.5873,
97.4809

■ 92.7359, 98.6083,
98.1510

■ 93.0272, 99.1909,
98.2481

Harmonies

Analogous

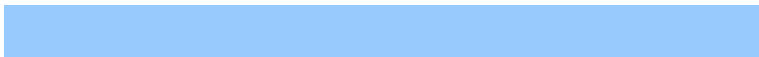
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9121, 55.8633, 75.2533



46.2987, 55.8633, 92.3469



51.7083, 55.8633, 101.2456

Triad

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



46.2987, 55.8633, 92.3469



65.7866, 55.8633, 64.9250



48.5480, 55.8633, 34.6149

Complementary

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



46.2987, 55.8633, 92.3469



50.9560, 42.3201, 22.6243

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.



54.5091, 55.8633, 32.9127



46.2987, 55.8633, 92.3469



64.7765, 55.8633, 48.3710

Square

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



46.2987, 55.8633, 92.3469



63.1908, 55.8633, 83.5462



60.5289, 55.8633, 37.4428



44.1387, 55.8633, 42.6500

Rectangle

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



46.2987, 55.8633, 92.3469



55.8613, 55.8633, 100.3137



60.5289, 55.8633, 37.4428



50.4243, 55.8633, 33.3566

Sweetspot

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



46.3005, 55.8654, 92.3482



79.1892, 87.1299, 107.2518



44.6497, 69.5271, 39.5025



16.5216, 18.2918, 22.9098



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.



46.3005, 55.8654, 92.3482



47.1915, 57.7913, 103.2753



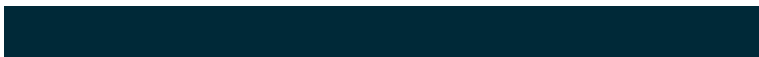
34.2474, 31.7592, 88.3305



15.8708, 17.1757, 20.2004



17.2376, 20.6994, 48.2147



1.5151, 1.8842, 4.0380

Inverse Universe

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



54.6065, 36.4393, 64.4792



57.8317, 35.1040, 67.0816



63.1836, 66.7754, 26.7001



16.2642, 15.9554, 18.9476



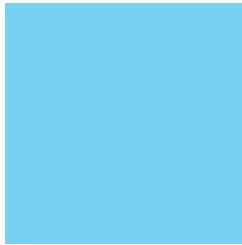
24.0264, 11.8830, 23.8531



2.0397, 1.0049, 2.1999

Previews

White Background



This preview shows how the XYZ color 46.2987, 55.8633, 92.3469 looks on a white background.

Color Contrast Check

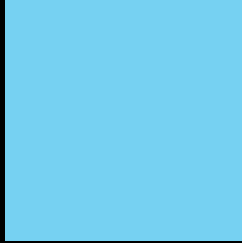
Large Text (above 18pt) WCAG AA × Fail

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 46.2987, 55.8633, 92.3469 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 46.2987, 55.8633, 92.3469

Background



This preview shows how black text looks on a background with the XYZ color 46.2987, 55.8633, 92.3469.

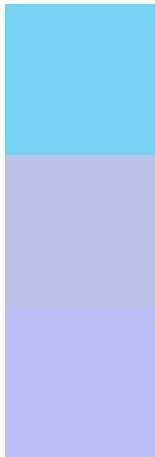


This preview shows how white text looks on a background with the XYZ color 46.2987, 55.8633,

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

46.2987, 55.8633, 92.3469

Protanopia

54.5963, 55.1011, 84.1020

Deuteranopia

56.4705, 55.1719, 94.8617



Tritanopia

44.1079, 55.7007, 81.8254

Trichromacy



Original Color

46.2987, 55.8633, 92.3469

Protanomaly

50.6680, 54.6895, 87.2425

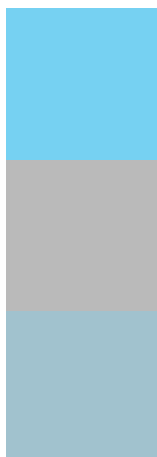
Deuteranomaly

51.7798, 54.7673, 94.2283

Tritanomaly

44.8248, 55.6212, 85.4642

Monochromacy



Original Color

46.2987, 55.8633, 92.3469

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1303, 50.6169, 65.7839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2987, 55.8633, 92.3469 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, 209, 242)` looks like.

```
.text, #text, p{  
    color:rgb(118, 209, 242)  
}
```

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, 209, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 209, 242) }
```

Border

The CSS property to change the border of an element to XYZ 46.2987, 55.8633, 92.3469 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, 209, 242) }
```


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

```
.border{ border-color:rgb(118, 209, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 209, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 209, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 209, 242);  
box-shadow:4px 4px 4px 4px rgb(118, 209,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2987, 55.8633, 92.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 209, 242) }
```

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

```
.background{ background-color: rgb(118,  
209, 242) }
```

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