

Converting Colors

XYZ(36.8960, 43.1311, 92.7623)

Have a look what the booklet for
XYZ(36.8960, 43.1311, 92.7623)
contains.

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Color

**XYZ(36.9420, 43.2062,
92.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	4BBAF5
RGB	75, 186, 245
RGB Percent	29%, 73%, 96%
CMY	0.7058, 0.2706, 0.0392
CMYK	0.69, 0.24, 0.00, 0.04
HSL	201°, 89%, 63%
HSV	201°, 69%, 96%
XYZ	36.9420, 43.2062, 92.7788
YIQ	159.5370, -85.0950, -5.1830

Conversions

Conversions Part 2

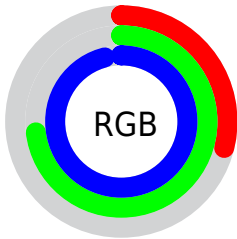
Format	Color
RYB	75, 142, 245
Decimal	4963061
CIELab	71.69, -13.10, -38.41
CIELCh	72, 40.585, 251.165
Yxy	43.2062, 0.2136, 0.2499
Android (android.graphics.Color)	4283153141 (0xFF4BBAF5)
YUV	159.5370, 42.1333, -74.1389
Hunter-Lab	65.7314, -14.7104, -37.6748

Details

The XYZ color **36.9420, 43.2062, 92.7788** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.4535, 36.9739, 11.2942**, and the grayscale version is **33.0434, 34.7642, 37.8582**.

A 20% lighter version of the original color is **60.7866, 76.3870, 106.1481**, and **17.4646, 20.4059, 50.5952** is the 20% darker color. If you saturate the color by 10%, you get **33.6432, 38.9256, 92.1273**, and if you desaturate by 10%, it is **41.0878, 48.0832, 93.5025**.

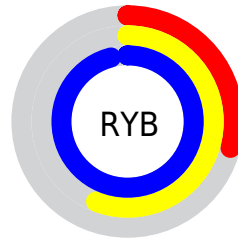
Distribution



Red (29%)

Green (73%)

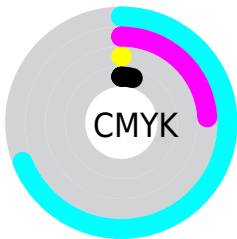
Blue (96%)



Red (29%)

Yellow (56%)

Blue (96%)

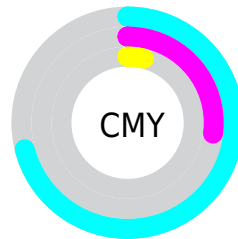


Cyan (69%)

Magenta (24%)

Yellow (0%)

Black (4%)



Cyan (71%)

Magenta (27%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9420, 43.2062, 92.7788 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 36.9420, 43.2062, 92.7788 by changing the saturation by 10% instead.

■ 36.9420, 43.2062,
92.7788

■ 36.9420, 43.2062,
92.7788

324.4192,
359.4591, 557.8310

■ 25.3361, 30.0469,
69.7010

■ 69.7980, 80.0219,
153.1614

■ 16.4577, 19.8742,
50.8075

■ 91.7787, 104.4472,
191.3033

■ 9.9415, 12.3036,
35.6798

■ 117.9485,
133.3966, 235.3036

■ 5.4221, 6.9508,
23.8993

■ 148.6725,
167.2545, 285.5809

■ 2.5343, 3.4314,
15.0474

184.3163,
206.4053, 342.5538

■ 0.9126, 1.3609,
8.7057

225.2451,

■ 0.0000, 0.1876,

251.2334, 406.6407

4.4555

271.8243,
302.1232, 478.2603

■ 0.0000, 0.0000,
1.8784

■ 0.0000, 0.0000,
0.4790

■ 36.9420, 43.2062,
92.7788

■ 36.9420, 43.2062,
92.7788

■ 33.6432, 38.9256,
92.1273

■ 41.0878, 48.0832,
93.5025

■ 31.0950, 35.1867,
91.5399

■ 46.1535, 53.5947,
94.2993

■ 29.1568, 31.9150,
91.0106

■ 52.2088, 59.7798,
95.1740

■ 29.0468, 31.7231,
90.9793

■ 59.3151, 66.6728,
96.1300

■ 67.5282, 74.3049,
97.1702

■ 76.9001, 82.7054,
98.2977

■ 87.4792, 91.9015,
99.5152

■ 93.1726, 98.7546,
100.5379

■ 93.4816, 99.3726,
100.6409

Harmonies

Analogous

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



31.8914, 43.2062, 76.6450



36.9420, 43.2062, 92.7788



43.6811, 43.2062, 94.8568

Triad

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



36.9420, 43.2062, 92.7788



55.4585, 43.2062, 40.0835



32.9602, 43.2062, 23.8999

Complementary

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



36.9420, 43.2062, 92.7788



47.4535, 36.9739, 11.2942

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.



38.5578, 43.2062, 18.8063



36.9420, 43.2062, 92.7788



51.8508, 43.2062, 26.2548

Square

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



36.9420, 43.2062, 92.7788



54.9008, 43.2062, 60.3651



45.4865, 43.2062, 19.5271



29.7760, 43.2062, 35.8430

Rectangle

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



36.9420, 43.2062, 92.7788



48.2989, 43.2062, 87.4755



45.4865, 43.2062, 19.5271



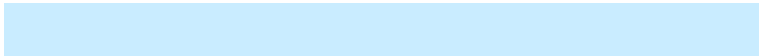
34.5942, 43.2062, 21.5037

Sweetspot

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



36.9435, 43.2077, 92.7799



72.3734, 79.9297, 106.2212



39.6979, 68.4588, 32.8348



14.9438, 16.6037, 22.6672



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.



36.9435, 43.2077, 92.7799



35.6953, 41.0098, 100.6421



24.2686, 17.8578, 88.5549



16.4844, 17.7330, 21.0966



15.7824, 17.3585, 49.0567



1.4829, 1.7173, 4.3435

Inverse Universe

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



49.0366, 27.9916, 49.2740



50.5129, 26.3718, 46.4361



63.6547, 69.3763, 16.6947



16.9551, 16.6649, 19.5099



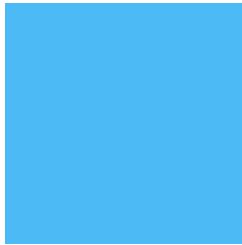
23.7707, 11.8517, 19.2988



2.1376, 1.0610, 1.9508

Previews

White Background



This preview shows how the XYZ color 36.9420, 43.2062, 92.7788 looks on a white background.

Color Contrast Check

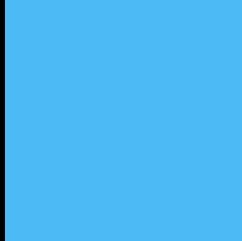
Large Text (above 18pt) WCAG AA × Fail

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 36.9420, 43.2062, 92.7788 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

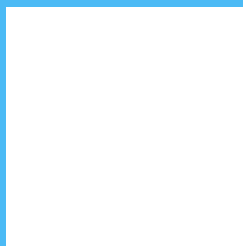
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9420, 43.2062, 92.7788

Background



This preview shows how black text looks on a background with the XYZ color 36.9420, 43.2062, 92.7788.

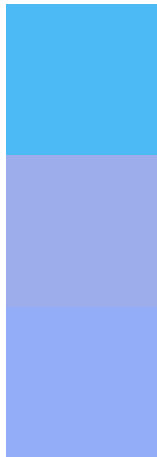


This preview shows how white text looks on a background with the XYZ color 36.9420, 43.2062,

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

36.9420, 43.2062, 92.7788

Protanopia

43.5084, 42.6137, 83.7740

Deuteranopia

43.9195, 42.8675, 94.7664



Tritanopia

31.7705, 43.3721, 66.3717

Trichromacy



Original Color

36.9420, 43.2062, 92.7788

Protanomaly

39.9072, 42.1294, 86.9174

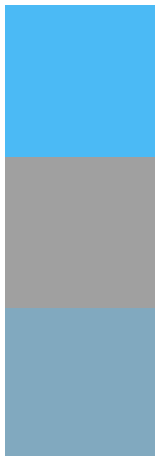
Deuteranomaly

40.5941, 42.6211, 94.0829

Tritanomaly

33.2682, 42.9772, 74.9486

Monochromacy



Original Color

36.9420, 43.2062, 92.7788

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6452, 36.8046, 54.6736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9420, 43.2062, 92.7788 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(75, 186, 245)` looks like.

```
.text, #text, p{  
    color:rgb(75, 186, 245)  
}
```

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(75, 186, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 186, 245) }
```

Border

The CSS property to change the border of an element to XYZ 36.9420, 43.2062, 92.7788 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(75, 186, 245) }
```


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

```
.border{ border-color:rgb(75, 186, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 186, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 186, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 186, 245);  
box-shadow:4px 4px 4px 4px rgb(75, 186,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9420, 43.2062, 92.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 186, 245) }
```

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

```
.background{ background-color: rgb(75, 186,  
245) }
```

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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