

Converting Colors

XYZ(44.1779, 44.4589, 63.3807)

Have a look what the booklet for
XYZ(44.1779, 44.4589, 63.3807)
contains.

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Color

**XYZ(44.3289, 44.6404,
63.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B0CC
RGB	176, 176, 204
RGB Percent	69%, 69%, 80%
CMY	0.3098, 0.3098, 0.2000
CMYK	0.14, 0.14, 0.00, 0.20
HSL	240°, 22%, 75%
HSV	240°, 14%, 80%
XYZ	44.3289, 44.6404, 63.4068
YIQ	179.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

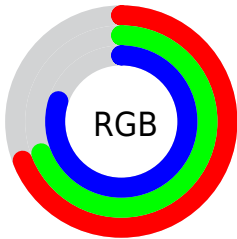
Format	Color
R _Y B	176, 176, 204
Decimal	11579596
CIE Lab	72.65, 5.62, -14.16
CIE LCh	73, 15.237, 291.643
Yxy	44.6404, 0.2909, 0.2930
Android (android.graphics.Color)	4289769676 (0xFFB0B0CC)
YUV	179.1920, 12.2303, -2.7994
Hunter-Lab	66.8135, 1.5063, -9.4975

Details

The XYZ color **44.3289, 44.6404, 63.4068** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.3314, 59.1574, 49.6302**, and the grayscale version is **42.8914, 45.1251, 49.1413**.

A 20% lighter version of the original color is **80.1853, 82.0890, 106.2263**, and **20.8811, 20.8283, 31.7739** is the 20% darker color. If you saturate the color by 10%, you get **36.3549, 35.0327, 61.9733**, and if you desaturate by 10%, it is **53.5997, 55.8111, 65.0751**.

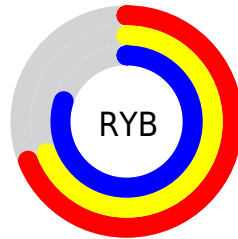
Distribution



Red (69%)

Green (69%)

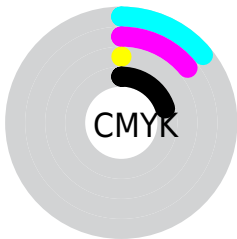
Blue (80%)



Red (69%)

Yellow (69%)

Blue (80%)

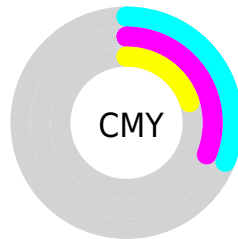


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (20%)



Cyan (31%)

Magenta (31%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3289, 44.6404, 63.4068 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 44.3289, 44.6404, 63.4068 by changing the saturation by 10% instead.

■ 44.3289, 44.6404,
63.4068

■ 44.3289, 44.6404,
63.4068

354.8783,
365.3152, 455.1929

■ 31.1282, 31.1743,
45.7273

■ 80.9557, 82.1805,
111.3474

■ 20.8488, 20.7316,
31.6836

105.1125,
107.0233, 142.4456

■ 13.1253, 12.9279,
20.8571

133.6521,
136.4271, 178.8537

■ 7.5925, 7.3789,
12.8294

166.9397,
170.7764, 220.9904

■ 3.8849, 3.7002,
7.1818

205.3408,
210.4554, 269.2741

■ 1.6372, 1.5073,
3.4959

249.2207,

■ 0.4165, 0.2939,

255.8486, 324.1234

1.3531

298.9448,
307.3404, 385.9568

■ 0.0000, 0.0000,
0.1047

■ 0.0000, 0.0000,
0.0000

■ 44.3289, 44.6404,
63.4068

■ 44.3289, 44.6404,
63.4068

■ 36.3549, 35.0327,
61.9733

■ 53.5997, 55.8111,
65.0751

■ 29.6162, 26.9131,
60.7612

■ 64.2173, 68.6043,
66.9848

■ 24.0523, 20.2089,
59.7604

■ 76.2338, 83.0831,
69.1461

■ 19.5958, 14.8392,
58.9589

■ 87.8992, 97.1397,
71.2445

■ 16.1729, 10.7147,
58.3432

■ 13.7004, 7.7354,
57.8984

■ 12.0827, 5.7860,
57.6074

■ 11.2039, 4.7269,
57.4493

■ 10.8994, 4.3600,
57.3945

Harmonies

Analogous

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



41.6960, 44.6404, 64.4516



44.3289, 44.6404, 63.4068



46.5349, 44.6404, 58.1953

Triad

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



44.3289, 44.6404, 63.4068



45.6575, 44.6404, 38.0756



37.6034, 44.6404, 46.5237

Complementary

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



44.3289, 44.6404, 63.4068



54.3314, 59.1574, 49.6302

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.



38.5727, 44.6404, 40.1323



44.3289, 44.6404, 63.4068



43.1713, 44.6404, 35.5965

Square

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



44.3289, 44.6404, 63.4068



47.3238, 44.6404, 43.4396



40.5849, 44.6404, 36.3084



37.8846, 44.6404, 54.1662

Rectangle

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



44.3289, 44.6404, 63.4068



47.4310, 44.6404, 53.3287



40.5849, 44.6404, 36.3084



37.7923, 44.6404, 44.1703

Sweetspot

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



44.3303, 44.6423, 63.4078



88.2286, 91.7809, 107.6731



50.3414, 56.7539, 65.1357



18.6188, 19.3246, 22.9987



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.



44.3303, 44.6423, 63.4078



69.9380, 69.7423, 104.3832



47.5441, 46.2984, 63.5581



10.6019, 10.8442, 14.1047



6.8602, 2.7443, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



48.2647, 47.0237, 47.6090



77.5008, 74.3199, 74.0149



50.7821, 57.3284, 49.4643



11.2124, 11.2137, 11.6531



15.6736, 8.0800, 0.7339



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 44.3289, 44.6404, 63.4068 looks on a white background.

Color Contrast Check

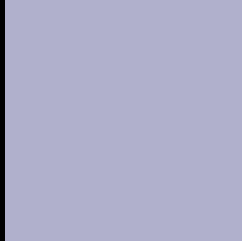
Large Text (above 18pt) WCAG AA × Fail

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 44.3289, 44.6404, 63.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

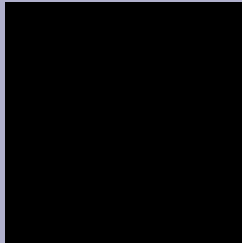
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3289, 44.6404, 63.4068

Background



This preview shows how black text looks on a background with the XYZ color 44.3289, 44.6404, 63.4068.



This preview shows how white text looks on a background with the XYZ color 44.3289, 44.6404,

63.4068.

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

44.3289, 44.6404, 63.4068

Protanopia

43.8548, 44.6882, 63.4410

Deuteranopia

45.5636, 44.6990, 63.3531



Tritanopia

42.8904, 44.6452, 56.2260

Trichromacy



Original Color

44.3289, 44.6404, 63.4068

Protanomaly

44.0768, 44.8026, 63.4514

Deuteranomaly

45.0514, 44.7229, 63.3847

Tritanomaly

43.3651, 44.5438, 58.5368

Monochromacy



Original Color

44.3289, 44.6404, 63.4068

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.3576, 44.9366, 53.9654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3289, 44.6404, 63.4068 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(176, 176, 204)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 204)  
}
```

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(176, 176, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 204) }
```

Border

The CSS property to change the border of an element to XYZ 44.3289, 44.6404, 63.4068 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(176, 176, 204) }
```


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

```
.border{ border-color:rgb(176, 176, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 176, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3289, 44.6404, 63.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 204) }
```

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

```
.background{ background-color: rgb(176,  
176, 204) }
```

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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