

Converting Colors

XYZ(9.1989, 9.5051, 44.4467)

Have a look what the booklet for
XYZ(9.1989, 9.5051, 44.4467)
contains.

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Color

**XYZ(12.0654, 10.9496,
44.6576)**

Conversions

Conversions Part 1

Format	Color
Hex	005CB4
RGB	0, 92, 180
RGB Percent	0%, 36%, 71%
CMY	0.9999, 0.6392, 0.2941
CMYK	1.00, 0.49, 0.00, 0.29
HSL	209°, 100%, 35%
HSV	209°, 100%, 71%
XYZ	12.0654, 10.9496, 44.6576
YIQ	74.5240, -83.0800, 7.8640

Conversions

Conversions Part 2

Format	Color
RYB	0, 61, 180
Decimal	23732
CIELab	39.50, 12.08, -52.91
CIELCh	39, 54.277, 282.863
Yxy	10.9496, 0.1783, 0.1618
Android (android.graphics.Color)	4278213812 (0xFF005CB4)
YUV	74.5240, 51.9997, -65.3575
Hunter-Lab	33.0902, 7.1772, -56.8530

Details

The XYZ color **12.0654, 10.9496, 44.6576** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **22.3155, 16.6890, 2.0462**, and the grayscale version is **6.5251, 6.8649, 7.4759**.

A 20% lighter version of the original color is **29.3727, 27.7357, 83.9262**, and **4.8228, 3.6203, 20.1833** is the 20% darker color. If you saturate the color by 10%, you get **12.0639, 10.9465, 44.6574**, and if you desaturate by 10%, it is **13.1229, 12.6933, 44.9387**.

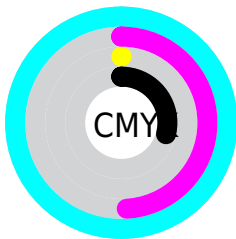
Distribution



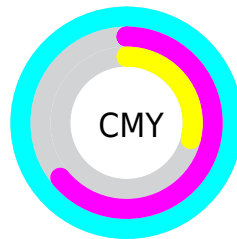
- Red (0%)
- Green (36%)
- Blue (71%)



- Red (0%)
- Yellow (24%)
- Blue (71%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0654, 10.9496, 44.6576 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 12.0654, 10.9496, 44.6576 by changing the saturation by 10% instead.

■ 12.0654, 10.9496,
44.6576

■ 12.0654, 10.9496,
44.6576

■ 198.5989,
197.3215, 381.5047

■ 6.8607, 6.0330,
30.8468

■ 29.2300, 27.5669,
83.5194

■ 3.4207, 2.8651,
20.2248

■ 41.9206, 40.0364,
109.4074

■ 1.3800, 1.0617,
12.3728

■ 57.8373, 55.7923,
140.1584

■ 0.2419, 0.0000,
6.8725

■ 77.3454, 75.2189,
176.1907

■ 0.0000, 0.0000,
3.3053

■ 100.8102, 98.7008,
217.9229

■ 0.0000, 0.0000,
1.2525

■ 128.5972,

■ 0.0000, 0.0000,

126.6222, 265.7736

0.0224

161.0716,
159.3677, 320.1614

■ 0.0000, 0.0000,
0.0000

■ 12.0654, 10.9496,
44.6576

■ 12.0654, 10.9496,
44.6576

■ 12.0639, 10.9465,
44.6574

■ 13.1229, 12.6933,
44.9387

■ 14.5004, 14.7376,
45.2607

■ 16.2879, 17.1333,
45.6289

■ 18.5298, 19.9069,
46.0461

■ 21.2639, 23.0819,
46.5148

■ 24.5238, 26.6790,
47.0373

■ 28.3399, 30.7175,
47.6157

■ 32.7400, 35.2151,
48.2519

■ 37.7502, 40.1885,
48.9478

Harmonies

Analogous

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



8.4563, 10.9496, 43.7197



12.0654, 10.9496, 44.6576



16.0085, 10.9496, 33.8344

Triad

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



12.0654, 10.9496, 44.6576



16.5115, 10.9496, 2.7613



4.9992, 10.9496, 6.8875

Complementary

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



12.0654, 10.9496, 44.6576



22.3155, 16.6890, 2.0462

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.



6.2937, 10.9496, 2.3772



12.0654, 10.9496, 44.6576



12.6374, 10.9496, 1.1448

Square

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



12.0654, 10.9496, 44.6576



18.9543, 10.9496, 7.9519



8.9085, 10.9496, 1.0646



4.9158, 10.9496, 17.0334

Rectangle

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



12.0654, 10.9496, 44.6576



18.0705, 10.9496, 23.7775



8.9085, 10.9496, 1.0646



5.2901, 10.9496, 4.8559

Sweetspot

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



12.0659, 10.9499, 44.6579



50.9901, 55.2853, 86.2783



18.0429, 33.3314, 14.5037



10.3784, 11.2752, 18.5516



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



12.0659, 10.9499, 44.6579



21.6401, 19.3799, 80.8947



8.2717, 3.3615, 43.3932



8.3890, 8.9242, 10.7867



8.4873, 7.7749, 31.1904



0.3252, 0.3610, 1.0008

Inverse Universe

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



20.7547, 10.4769, 11.0536



37.5121, 18.9474, 19.4122



34.5451, 41.1482, 6.1227



8.6715, 8.5753, 9.7687



14.5186, 7.3250, 7.8911



0.4862, 0.2422, 0.4029

Previews

White Background



This preview shows how the XYZ color 12.0654, 10.9496, 44.6576 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 12.0654, 10.9496, 44.6576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

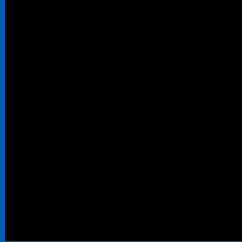
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0654, 10.9496, 44.6576

Background



This preview shows how black text looks on a background with the XYZ color 12.0654, 10.9496, 44.6576.



This preview shows how white text looks on a background with the XYZ color 12.0654, 10.9496,

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

12.0654, 10.9496, 44.6576

Protanopia

12.6883, 11.0403, 43.5817

Deuteranopia

10.9751, 10.9376, 37.6091



Tritanopia

7.6647, 10.8263, 16.4376

Trichromacy



Original Color

12.0654, 10.9496, 44.6576

Protanomaly

12.3298, 10.9699, 44.1154

Deuteranomaly

11.3534, 10.9457, 40.0424

Tritanomaly

8.8350, 10.6730, 24.5161

Monochromacy



Original Color

12.0654, 10.9496, 44.6576

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.1420, 7.7055, 16.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0654, 10.9496, 44.6576 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(0, 92, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 92, 180)  
}
```

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(0, 92, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 92, 180) }
```

Border

The CSS property to change the border of an element to XYZ 12.0654, 10.9496, 44.6576 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(0, 92, 180) }
```


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

```
.border{ border-color:rgb(0, 92, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 92, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 92, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 92, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 92, 180)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0654, 10.9496, 44.6576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 92, 180) }
```

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

```
.background{ background-color: rgb(0, 92,  
180) }
```

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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