

Converting Colors

XYZ(12.8997, 11.5933, 48.0959)

Have a look what the booklet for
XYZ(12.8997, 11.5933, 48.0959)
contains.

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Color

**XYZ(12.8656, 11.5506,
48.0058)**

Conversions

Conversions Part 1

Format	Color
Hex	005EBA
RGB	0, 94, 186
RGB Percent	0%, 37%, 73%
CMY	0.9999, 0.6314, 0.2706
CMYK	1.00, 0.49, 0.00, 0.27
HSL	210°, 100%, 36%
HSV	210°, 100%, 73%
XYZ	12.8656, 11.5506, 48.0058
YIQ	76.3820, -85.5560, 8.6840

Conversions

Conversions Part 2

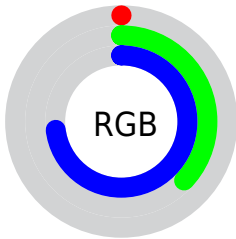
Format	Color
RYB	0, 62, 186
Decimal	24250
CIELab	40.49, 13.22, -54.82
CIELCh	40, 56.391, 283.559
Yxy	11.5506, 0.1776, 0.1595
Android (android.graphics.Color)	4278214330 (0xFF005EBA)
YUV	76.3820, 54.0417, -66.9870
Hunter-Lab	33.9862, 8.0961, -59.9574

Details

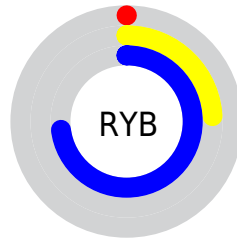
The XYZ color **12.8656, 11.5506, 48.0058** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **24.0800, 18.0992, 2.2253**, and the grayscale version is **6.8567, 7.2137, 7.8558**.

A 20% lighter version of the original color is **30.7670, 28.7973, 88.7309**, and **5.2632, 3.8626, 22.2979** is the 20% darker color. If you saturate the color by 10%, you get **12.8643, 11.5478, 48.0056**, and if you desaturate by 10%, it is **13.9948, 13.4207, 48.3075**.

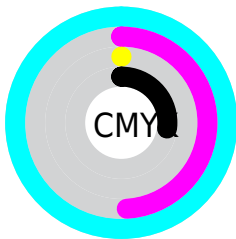
Distribution



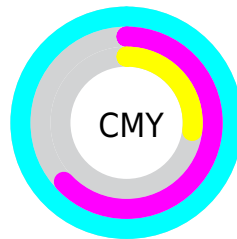
- Red (0%)
- Green (37%)
- Blue (73%)



- Red (0%)
- Yellow (24%)
- Blue (73%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8656, 11.5506, 48.0058 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 12.8656, 11.5506, 48.0058 by changing the saturation by 10% instead.

■ 12.8656, 11.5506,
48.0058

■ 12.8656, 11.5506,
48.0058

203.7096,
201.4070, 395.3245

■ 7.4124, 6.4385,
33.4715

■ 30.6655, 28.6739,
88.5787

■ 3.7700, 3.1135,
22.2138

■ 43.7429, 41.4539,
115.4543

■ 1.5728, 1.1913,
13.8143

■ 60.0925, 57.5586,
147.2807

■ 0.3746, 0.0546,
7.8543

■ 80.0795, 77.3725,
184.4766

■ 0.0000, 0.0000,
3.9154

■ 104.0694,
101.2798, 227.4603

■ 0.0000, 0.0000,
1.5791

■ 132.4274,

■ 0.0000, 0.0000,

129.6651, 276.6505

0.2758

165.5190,
162.9127, 332.4657

■ 0.0000, 0.0000,
0.0000

■ 12.8656, 11.5506,
48.0058

■ 12.8656, 11.5506,
48.0058

■ 12.8643, 11.5478,
48.0056

■ 13.9948, 13.4207,
48.3075

■ 15.4731, 15.6205,
48.6542

■ 17.3957, 18.2035,
49.0515

■ 19.8109, 21.1991,
49.5024

■ 22.7599, 24.6328,
50.0097

■ 26.2792, 28.5274,
50.5760

■ 30.4019, 32.9039,
51.2034

■ 35.1583, 37.7818,
51.8943

■ 40.5766, 43.1792,
52.6505

Harmonies

Analogous

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



8.9582, 11.5506, 47.3148



12.8656, 11.5506, 48.0058



17.1179, 11.5506, 35.9763

Triad

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



12.8656, 11.5506, 48.0058



17.4852, 11.5506, 2.7306



5.1676, 11.5506, 7.3520

Complementary

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



12.8656, 11.5506, 48.0058



24.0800, 18.0992, 2.2253

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.



6.5166, 11.5506, 2.4596



12.8656, 11.5506, 48.0058



13.2818, 11.5506, 1.1061

Square

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



12.8656, 11.5506, 48.0058



20.1878, 11.5506, 8.1189



9.2856, 11.5506, 1.0508



5.1078, 11.5506, 18.4247

Rectangle

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



12.8656, 11.5506, 48.0058



19.3220, 11.5506, 25.0261



9.2856, 11.5506, 1.0508



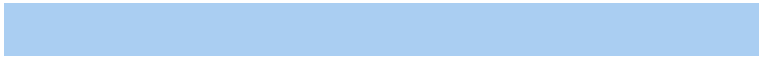
5.4673, 11.5506, 5.1421

Sweetspot

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



12.8661, 11.5509, 48.0061



54.6933, 59.2104, 92.7475



19.4014, 35.8550, 15.5525



11.3222, 12.2791, 20.3159



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



12.8661, 11.5509, 48.0061



23.0742, 20.4450, 86.9315



8.8974, 3.6134, 46.6832



8.8860, 9.4493, 11.4350



8.7298, 7.9192, 32.3215



0.3696, 0.4028, 1.1600

Inverse Universe

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



22.2706, 11.2480, 11.5871



40.2419, 20.3368, 20.3492



37.1631, 44.2654, 6.5863



9.1888, 9.0859, 10.3418



15.0201, 7.5818, 7.9924



0.5607, 0.2798, 0.4461

Previews

White Background



This preview shows how the XYZ color 12.8656, 11.5506, 48.0058 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 12.8656, 11.5506, 48.0058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

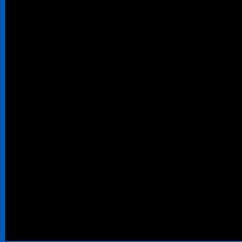
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8656, 11.5506, 48.0058

Background



This preview shows how black text looks on a background with the XYZ color 12.8656, 11.5506, 48.0058.



This preview shows how white text looks on a background with the XYZ color 12.8656, 11.5506,

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

12.8656, 11.5506, 48.0058

Protanopia

13.4337, 11.6072, 46.8798

Deuteranopia

11.5304, 11.4517, 39.6329



Tritanopia

8.1347, 11.5003, 17.4138

Trichromacy



Original Color

12.8656, 11.5506, 48.0058

Protanomaly

13.1233, 11.5645, 47.4394

Deuteranomaly

12.0193, 11.5003, 42.6606

Tritanomaly

9.4850, 11.3962, 26.5107

Monochromacy



Original Color

12.8656, 11.5506, 48.0058

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.4646, 8.0758, 17.6884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8656, 11.5506, 48.0058 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, 94, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 186)  
}
```

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, 94, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 186) }
```

Border

The CSS property to change the border of an element to XYZ 12.8656, 11.5506, 48.0058 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, 94, 186) }
```


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

```
.border{ border-color:rgb(0, 94, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 94, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 186)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8656, 11.5506, 48.0058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 186) }
```

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

```
.background{ background-color: rgb(0, 94,  
186) }
```

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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