

Converting Colors

XYZ(11.7172, 13.4867, 33.6577)

Have a look what the booklet for
XYZ(11.7172, 13.4867, 33.6577)
contains.

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Color

**XYZ(11.6505, 13.4309,
33.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	0E6D9C
RGB	14, 109, 156
RGB Percent	5%, 43%, 61%
CMY	0.9450, 0.5725, 0.3882
CMYK	0.91, 0.30, 0.00, 0.39
HSL	200°, 84%, 33%
HSV	200°, 91%, 61%
XYZ	11.6505, 13.4309, 33.4309
YIQ	85.9530, -71.7070, -5.5230

Conversions

Conversions Part 2

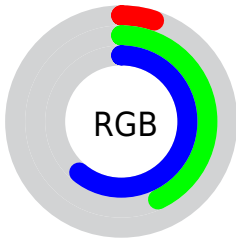
Format	Color
R_{YB}	14, 71, 156
Decimal	945564
CIE _{Lab}	43.41, -7.68, -32.50
CIE _{LCh}	43, 33.398, 256.698
Yxy	13.4309, 0.1991, 0.2295
Android (android.graphics.Color)	4279135644 (0xFF0E6D9C)
YUV	85.9530, 34.5332, -63.1028
Hunter-Lab	36.6482, -7.3890, -28.4313

Details

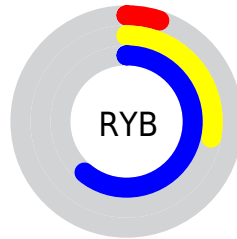
The XYZ color **11.6505, 13.4309, 33.4309** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.4598, 10.4396, 1.6165**, and the grayscale version is **8.7769, 9.2340, 10.0558**.

A 20% lighter version of the original color is **28.4485, 31.9686, 66.2992**, and **4.2213, 4.4447, 13.7321** is the 20% darker color. If you saturate the color by 10%, you get **10.9873, 12.3734, 33.2620**, and if you desaturate by 10%, it is **12.5612, 14.7426, 33.6364**.

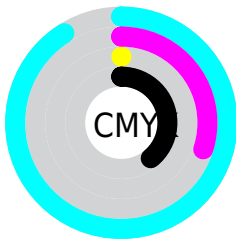
Distribution



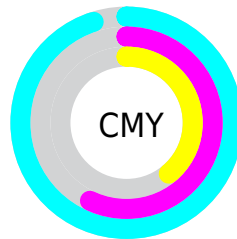
- Red (5%)
- Green (43%)
- Blue (61%)



- Red (5%)
- Yellow (28%)
- Blue (61%)



- Cyan (91%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (95%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6505, 13.4309, 33.4309 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 11.6505, 13.4309, 33.4309 by changing the saturation by 10% instead.

■ 11.6505, 13.4309,
33.4309

■ 11.6505, 13.4309,
33.4309

■ 195.8951,
213.6611, 332.2783

■ 6.5767, 7.7259,
22.1829

■ 28.4794, 32.0758,
66.1714

■ 3.2427, 3.9201,
13.7918

■ 40.9651, 45.7845,
88.5011

■ 1.2834, 1.6290,
7.8389

■ 56.6522, 62.9299,
115.3617

■ 0.1707, 0.3770,
3.9057

■ 75.9059, 83.8963,
147.1718

■ 0.0000, 0.0000,
1.5738

■ 99.0918, 109.0683,
184.3500

■ 0.0000, 0.0000,
0.2720

■ 126.5750,

■ 0.0000, 0.0000,

138.8302, 227.3148

0.0000

158.7210,
173.5663, 276.4847

■ 11.6505, 13.4309,
33.4309

■ 11.6505, 13.4309,
33.4309

■ 10.9873, 12.3734,
33.2620

■ 12.5612, 14.7426,
33.6364

■ 13.7289, 16.2354,
33.8630

■ 15.1840, 17.9261,
34.1126

■ 16.9522, 19.8285,
34.3866

■ 19.0558, 21.9551,
34.6862

■ 21.5154, 24.3169,
35.0125

■ 24.3495, 26.9244,
35.3664

■ 27.5753, 29.7872,
35.7489

■ 31.2090, 32.9142,
36.1610

Harmonies

Analogous

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



9.6371, 13.4309, 27.7008



11.6505, 13.4309, 33.4309



14.2553, 13.4309, 33.0516

Triad

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



11.6505, 13.4309, 33.4309



18.1728, 13.4309, 10.8867



9.4646, 13.4309, 6.8431

Complementary

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



11.6505, 13.4309, 33.4309



15.4598, 10.4396, 1.6165

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.



11.3836, 13.4309, 4.7556



11.6505, 13.4309, 33.4309



16.5072, 13.4309, 6.4882

Square

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



11.6505, 13.4309, 33.4309



18.2699, 13.4309, 18.1686



13.9498, 13.4309, 4.6526



8.4955, 13.4309, 11.5732

Rectangle

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



11.6505, 13.4309, 33.4309



15.9894, 13.4309, 29.3545



13.9498, 13.4309, 4.6526



10.0072, 13.4309, 5.8912

Sweetspot

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



11.6510, 13.4313, 33.4312



40.7887, 45.7612, 63.8097



12.8590, 24.1863, 8.1259



8.6359, 9.7533, 13.9978



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



11.6510, 13.4313, 33.4312



19.7694, 22.1003, 60.3506



6.9428, 4.0149, 31.8618



6.6367, 7.1391, 8.4349



9.0827, 10.2570, 27.4083



0.1995, 0.2575, 0.5024

Inverse Universe

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



16.6281, 8.4868, 15.2300



29.3792, 14.6283, 24.7428



21.7687, 23.0574, 3.7194



6.8107, 6.7172, 7.8543



13.3828, 6.6577, 11.5325



0.2580, 0.1265, 0.3047

Previews

White Background



This preview shows how the XYZ color 11.6505, 13.4309, 33.4309 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 11.6505, 13.4309, 33.4309 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

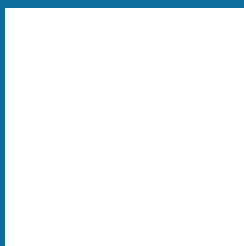
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6505, 13.4309, 33.4309

Background



This preview shows how black text looks on a background with the XYZ color 11.6505, 13.4309, 33.4309.



This preview shows how white text looks on a background with the XYZ color 11.6505, 13.4309,

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

11.6505, 13.4309, 33.4309

Protanopia

13.9162, 13.4557, 30.2975

Deuteranopia

13.7470, 13.4272, 34.2149



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

11.6505, 13.4309, 33.4309

Protanomaly

12.4813, 13.1283, 31.5819

Deuteranomaly

12.5536, 13.2675, 33.7975

Tritanomaly

10.1598, 13.3418, 24.5940

Monochromacy



Original Color

11.6505, 13.4309, 33.4309

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.7354, 10.1138, 16.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6505, 13.4309, 33.4309 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(14, 109, 156)` looks like.

```
.text, #text, p{  
    color:rgb(14, 109, 156)  
}
```

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(14, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 109, 156) }
```

Border

The CSS property to change the border of an element to XYZ 11.6505, 13.4309, 33.4309 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(14, 109, 156) }
```


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

```
.border{ border-color:rgb(14, 109, 156) }
```

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

Here you see how a box with a 4 pixel rgb(14, 109, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 109, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 109, 156);  
box-shadow:4px 4px 4px 4px rgb(14, 109,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6505, 13.4309, 33.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 109, 156) }
```

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

```
.background{ background-color: rgb(14, 109,  
156) }
```

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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