

Converting Colors

XYZ(11.9535, 13.6787, 30.3352)

Have a look what the booklet for
XYZ(11.9535, 13.6787, 30.3352)
contains.

XYZ(11.9756, 13.6651, 30.4402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.9756, 13.6651,
30.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	2D6D95
RGB	45, 109, 149
RGB Percent	18%, 43%, 58%
CMY	0.8235, 0.5725, 0.4157
CMYK	0.70, 0.27, 0.00, 0.42
HSL	203°, 54%, 38%
HSV	203°, 70%, 58%
XYZ	11.9756, 13.6651, 30.4402
YIQ	94.4240, -50.9840, -1.1280

Conversions

Conversions Part 2

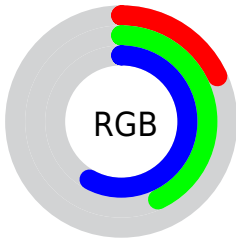
Format	Color
R_{YB}	45, 85, 149
Decimal	2977173
CIE _{Lab}	43.75, -6.88, -27.76
CIE _{LCh}	44, 28.599, 256.090
Yxy	13.6651, 0.2135, 0.2437
Android (android.graphics.Color)	4281167253 (0xFF2D6D95)
YUV	94.4240, 26.9060, -43.3448
Hunter-Lab	36.9663, -6.8643, -22.9463

Details

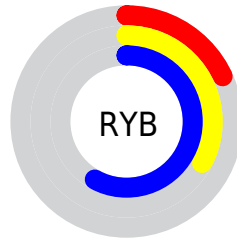
The XYZ color **11.9756, 13.6651, 30.4402** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.1171, 13.0767, 4.1577**, and the grayscale version is **10.6871, 11.2437, 12.2444**.

A 20% lighter version of the original color is **28.9438, 32.3370, 61.2161**, and **3.9272, 4.3271, 12.1835** is the 20% darker color. If you saturate the color by 10%, you get **10.8406, 12.2020, 30.2179**, and if you desaturate by 10%, it is **13.3829, 15.3282, 30.6873**.

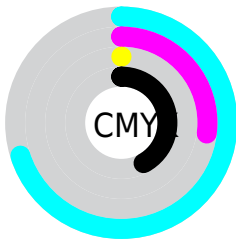
Distribution



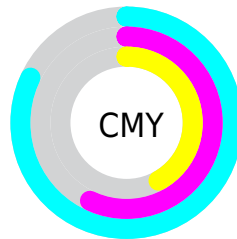
- Red (18%)
- Green (43%)
- Blue (58%)



- Red (18%)
- Yellow (33%)
- Blue (58%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (42%)



- Cyan (82%)
- Magenta (57%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9756, 13.6651, 30.4402 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 11.9756, 13.6651, 30.4402 by changing the saturation by 10% instead.

■ 11.9756, 13.6651,
30.4402

■ 11.9756, 13.6651,
30.4402

■ 198.0169,
215.1373, 318.2219

■ 6.7991, 7.8881,
19.9181

■ 29.0679, 32.4936,
61.4268

■ 3.3820, 4.0234,
12.1520

■ 41.7145, 46.3139,
82.7284

■ 1.3589, 1.6867,
6.7235

■ 57.5818, 63.5841,
108.4603

■ 0.2266, 0.4150,
3.2140

■ 77.0352, 84.6886,
139.0409

■ 0.0000, 0.0000,
1.2049

■ 100.4400,
110.0118, 174.8888

■ 0.0000, 0.0000,
0.0000

■ 128.1617,

139.9380, 216.4226

160.5655,
174.8517, 264.0608

■ 11.9756, 13.6651,
30.4402

■ 11.9756, 13.6651,
30.4402

■ 10.8406, 12.2020,
30.2179

■ 13.3829, 15.3282,
30.6873

■ 9.9500, 10.9227,
30.0179

■ 15.0836, 17.2026,
30.9595

■ 9.2393, 9.7931,
29.8373

■ 17.0984, 19.3003,
31.2582

■ 9.2254, 9.7709,
29.8338

■ 19.4454, 21.6316,
31.5845

■ 22.1414, 24.2062,
31.9393

■ 25.2018, 27.0330,
32.3236

■ 28.6412, 30.1205,
32.7383

■ 32.4733, 33.4767,
33.1842

■ 36.7112, 37.1093,
33.6619

Harmonies

Analogous

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



10.2126, 13.6651, 25.7112



11.9756, 13.6651, 30.4402



14.2247, 13.6651, 30.2440

Triad

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



11.9756, 13.6651, 30.4402



17.6051, 13.6651, 11.7020



10.1137, 13.6651, 7.8333

Complementary

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



11.9756, 13.6651, 30.4402



16.1171, 13.0767, 4.1577

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.



11.8256, 13.6651, 5.8660



11.9756, 13.6651, 30.4402



16.2262, 13.6651, 7.6179

Square

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



11.9756, 13.6651, 30.4402



17.6573, 13.6651, 18.0612



14.0565, 13.6651, 5.8006



9.2247, 13.6651, 12.0943

Rectangle

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



11.9756, 13.6651, 30.4402



15.7074, 13.6651, 27.3074



14.0565, 13.6651, 5.8006



10.6026, 13.6651, 6.9436

Sweetspot

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



11.9761, 13.6656, 30.4405



38.8209, 42.5675, 57.0915



13.4645, 22.7069, 12.2405



8.3317, 9.1761, 12.6169



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.9761, 13.6656, 30.4405



18.4219, 20.4603, 53.8995



7.9772, 5.6678, 29.1076



5.7787, 6.1913, 7.3602



7.7936, 8.2821, 25.1189



0.1240, 0.1586, 0.3170

Inverse Universe

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



16.0935, 9.3709, 15.4290



26.7964, 14.0670, 22.8420



21.7952, 24.4329, 6.0504



5.9417, 5.8718, 6.7992



12.0609, 6.0294, 9.0679



0.1621, 0.0796, 0.1871

Previews

White Background



This preview shows how the XYZ color 11.9756, 13.6651, 30.4402 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 11.9756, 13.6651, 30.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

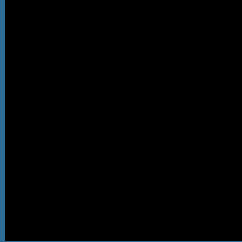
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9756, 13.6651, 30.4402

Background



This preview shows how black text looks on a background with the XYZ color 11.9756, 13.6651, 30.4402.

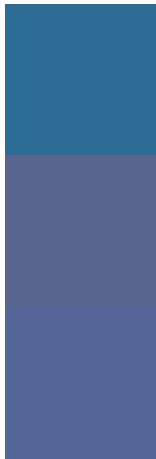


This preview shows how white text looks on a background with the XYZ color 11.9756, 13.6651,

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

11.9756, 13.6651, 30.4402

Protanopia

13.8281, 13.4642, 27.8566

Deuteranopia

13.9046, 13.5761, 31.1658



Tritanopia

10.0185, 13.6843, 20.8522

Trichromacy



Original Color

11.9756, 13.6651, 30.4402

Protanomaly

12.8852, 13.4008, 28.6956

Deuteranomaly

13.0108, 13.5704, 30.7878

Tritanomaly

10.5862, 13.5776, 23.8926

Monochromacy



Original Color

11.9756, 13.6651, 30.4402

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4796, 11.6751, 17.6208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9756, 13.6651, 30.4402 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(45, 109, 149)` looks like.

```
.text, #text, p{  
    color:rgb(45, 109, 149)  
}
```

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(45, 109, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 109, 149) }
```

Border

The CSS property to change the border of an element to XYZ 11.9756, 13.6651, 30.4402 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(45, 109, 149) }
```


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

```
.border{ border-color:rgb(45, 109, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 109, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 109, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 109, 149);  
box-shadow:4px 4px 4px 4px rgb(45, 109,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9756, 13.6651, 30.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 109, 149) }
```

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

```
.background{ background-color: rgb(45, 109,  
149) }
```

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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