

Converting Colors

XYZ(11.9160, 13.9125, 32.9887)

Have a look what the booklet for
XYZ(11.9160, 13.9125, 32.9887)
contains.

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Color

**XYZ(11.9317, 13.9060,
33.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	166F9B
RGB	22, 111, 155
RGB Percent	9%, 44%, 61%
CMY	0.9137, 0.5647, 0.3922
CMYK	0.86, 0.28, 0.00, 0.39
HSL	200°, 75%, 35%
HSV	200°, 86%, 61%
XYZ	11.9317, 13.9060, 33.0656
YIQ	89.4050, -67.1680, -5.1840

Conversions

Conversions Part 2

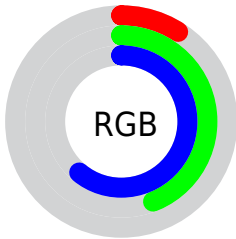
Format	Color
R_{YB}	22, 75, 155
Decimal	1470363
CIE _{Lab}	44.10, -8.69, -30.81
CIE _{LCh}	44, 32.016, 254.257
Yxy	13.9060, 0.2026, 0.2361
Android (android.graphics.Color)	4279660443 (0xFF166F9B)
YUV	89.4050, 32.3383, -59.1142
Hunter-Lab	37.2907, -8.1452, -26.4687

Details

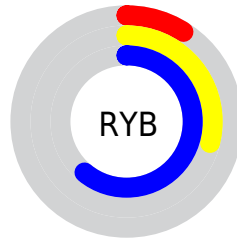
The XYZ color **11.9317, 13.9060, 33.0656** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.6116, 10.9246, 2.0456**, and the grayscale version is **9.5275, 10.0236, 10.9157**.

A 20% lighter version of the original color is **29.1437, 33.1228, 65.8301**, and **4.3321, 4.6663, 13.7691** is the 20% darker color. If you saturate the color by 10%, you get **11.1389, 12.6905, 32.8731**, and if you desaturate by 10%, it is **12.9583, 15.2901, 33.2789**.

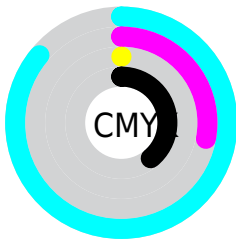
Distribution



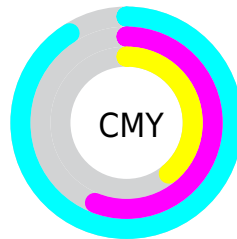
- Red (9%)
- Green (44%)
- Blue (61%)



- Red (9%)
- Yellow (29%)
- Blue (61%)



- Cyan (86%)
- Magenta (28%)
- Yellow (0%)
- Black (39%)



- Cyan (91%)
- Magenta (56%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9317, 13.9060, 33.0656 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 11.9317, 13.9060, 33.0656 by changing the saturation by 10% instead.

■ 11.9317, 13.9060,
33.0656

■ 11.9317, 13.9060,
33.0656

■ 197.7318,
216.6453, 330.5863

■ 6.7691, 8.0553,
21.9052

■ 28.9886, 32.9221,
65.5951

■ 3.3631, 4.1304,
13.5896

■ 41.6135, 46.8564,
87.8013

■ 1.3486, 1.7468,
7.7003

■ 57.4566, 64.2540,
114.5265

■ 0.2191, 0.4537,
3.8188

■ 76.8832, 85.4992,
146.1892

■ 0.0000, 0.0000,
1.5265

■ 100.2587,
110.9766, 183.2080

■ 0.0000, 0.0000,
0.2375

■ 127.9484,

■ 0.0000, 0.0000,

141.0705, 226.0014

0.0000

160.3176,
176.1652, 274.9880

■ 11.9317, 13.9060,
33.0656

■ 11.9317, 13.9060,
33.0656

■ 11.1389, 12.6905,
32.8731

■ 12.9583, 15.2901,
33.2789

■ 10.8384, 12.2105,
32.7962

■ 14.2541, 16.8613,
33.5139

■ 15.8467, 18.6347,
33.7723

■ 17.7594, 20.6232,
34.0553

■ 20.0133, 22.8382,
34.3640

■ 22.6275, 25.2903,
34.6995

■ 25.6195, 27.9893,
35.0628

■ 29.0057, 30.9443,
35.4547

■ 32.8016, 34.1639,
35.8761

Harmonies

Analogous

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



10.0088, 13.9060, 27.2001



11.9317, 13.9060, 33.0656



14.4613, 13.9060, 33.2243

Triad

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



11.9317, 13.9060, 33.0656



18.5586, 13.9060, 11.9411



10.0837, 13.9060, 7.1496

Complementary

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



11.9317, 13.9060, 33.0656



15.6116, 10.9246, 2.0456

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.



12.0467, 13.9060, 5.2054



11.9317, 13.9060, 33.0656



17.0470, 13.9060, 7.3067

Square

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



11.9317, 13.9060, 33.0656



18.5174, 13.9060, 19.2774



14.5919, 13.9060, 5.2517



9.0392, 13.9060, 11.6436

Rectangle

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



11.9317, 13.9060, 33.0656



16.1723, 13.9060, 29.9562



14.5919, 13.9060, 5.2517



10.6461, 13.9060, 6.2513

Sweetspot

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



11.9322, 13.9065, 33.0660



40.1690, 44.9659, 62.0984



12.9816, 23.9852, 8.8148



8.7388, 9.8501, 14.0111



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.



11.9322, 13.9065, 33.0660



19.2316, 21.5102, 58.6746



7.2401, 4.5223, 31.5019



6.2123, 6.6819, 7.8913



8.7412, 9.8792, 26.3539



0.1636, 0.2136, 0.4050

Inverse Universe

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



16.6742, 8.6907, 15.8379



28.5676, 14.2236, 24.0874



21.7280, 23.1572, 4.0844



6.3743, 6.2889, 7.3510



12.8709, 6.4026, 11.1113



0.2091, 0.1024, 0.2537

Previews

White Background



This preview shows how the XYZ color 11.9317, 13.9060, 33.0656 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 11.9317, 13.9060, 33.0656 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 11.9317, 13.9060, 33.0656

Background



This preview shows how black text looks on a background with the XYZ color 11.9317, 13.9060, 33.0656.

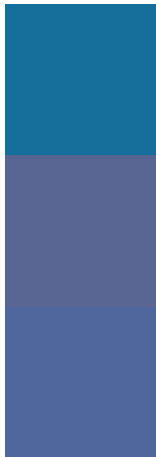


This preview shows how white text looks on a background with the XYZ color 11.9317, 13.9060,

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

11.9317, 13.9060, 33.0656

Protanopia

14.2165, 13.7647, 29.9245

Deuteranopia

14.1605, 13.7971, 33.8151



Tritanopia

9.7688, 13.7167, 21.2015

Trichromacy



Original Color

11.9317, 13.9060, 33.0656

Protanomaly

12.8175, 13.4613, 31.2009

Deuteranomaly

12.8997, 13.6079, 33.3992

Tritanomaly

10.4906, 13.8355, 25.0393

Monochromacy



Original Color

11.9317, 13.9060, 33.0656

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.4353, 10.8655, 17.2227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9317, 13.9060, 33.0656 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(22, 111, 155)` looks like.

```
.text, #text, p{  
    color:rgb(22, 111, 155)  
}
```

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(22, 111, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 111, 155) }
```

Border

The CSS property to change the border of an element to XYZ 11.9317, 13.9060, 33.0656 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(22, 111, 155) }
```


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

```
.border{ border-color:rgb(22, 111, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 111, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 111, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 111, 155);  
box-shadow:4px 4px 4px 4px rgb(22, 111,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9317, 13.9060, 33.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 111, 155) }
```

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

```
.background{ background-color: rgb(22, 111,  
155) }
```

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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