

Converting Colors

XYZ(11.3723, 13.2042, 33.2024)

Have a look what the booklet for
XYZ(11.3723, 13.2042, 33.2024)
contains.

XYZ(11.3633, 13.1254, 33.3870)	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(11.3633, 13.1254,
33.3870)**

Conversions

Conversions Part 1

Format	Color
Hex	006C9C
RGB	0, 108, 156
RGB Percent	0%, 42%, 61%
CMY	0.9999, 0.5765, 0.3882
CMYK	1.00, 0.31, 0.00, 0.39
HSL	198°, 100%, 31%
HSV	198°, 100%, 61%
XYZ	11.3633, 13.1254, 33.3870
YIQ	81.1800, -79.7760, -7.9680

Conversions

Conversions Part 2

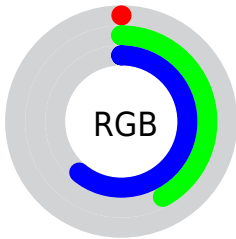
Format	Color
RYB	0, 64, 156
Decimal	27804
CIELab	42.95, -7.79, -33.23
CIELCh	43, 34.125, 256.811
Yxy	13.1254, 0.1963, 0.2268
Android (android.graphics.Color)	4278217884 (0xFF006C9C)
YUV	81.1800, 36.8863, -71.1949
Hunter-Lab	36.2290, -7.4138, -29.2787

Details

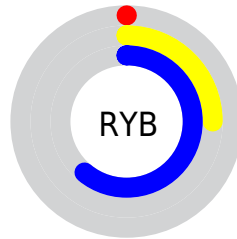
The XYZ color **11.3633, 13.1254, 33.3870** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.7685, 9.1840, 0.9950**, and the grayscale version is **7.7990, 8.2051, 8.9354**.

A 20% lighter version of the original color is **27.9023, 31.4307, 66.2241**, and **4.1674, 4.3370, 13.7142** is the 20% darker color. If you saturate the color by 10%, you get **11.3626, 13.1240, 33.3870**, and if you desaturate by 10%, it is **12.0912, 14.2733, 33.5705**.

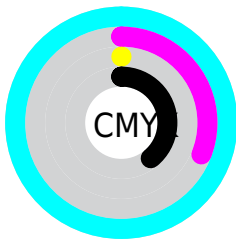
Distribution



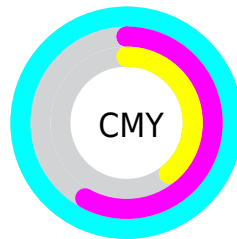
- Red (0%)
- Green (42%)
- Blue (61%)



- Red (0%)
- Yellow (25%)
- Blue (61%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (58%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3633, 13.1254, 33.3870 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 11.3633, 13.1254, 33.3870 by changing the saturation by 10% instead.

■ 11.3633, 13.1254,
33.3870

■ 11.3633, 13.1254,
33.3870

194.0006,
211.7198, 332.0753

■ 6.3808, 7.5150,
22.1495

■ 27.9571, 31.5289,
66.1022

■ 3.1209, 3.7862,
13.7675

■ 40.2991, 45.0907,
88.4171

■ 1.2180, 1.5547,
7.8222

■ 55.8250, 62.0718,
115.2614

■ 0.1205, 0.3268,
3.8953

■ 74.9002, 82.8565,
147.0539

■ 0.0000, 0.0000,
1.5681

■ 97.8900, 107.8293,
184.2130

■ 0.0000, 0.0000,
0.2679

■ 125.1598,

■ 0.0000, 0.0000,

137.3745, 227.1572

0.0000

157.0748,
171.8765, 276.3051

■ 11.3633, 13.1254,
33.3870

■ 11.3633, 13.1254,
33.3870

■ 11.3626, 13.1240,
33.3870

■ 12.0912, 14.2733,
33.5705

■ 13.0044, 15.5586,
33.7704

■ 14.1742, 17.0188,
33.9906

■ 15.6300, 18.6698,
34.2326

■ 17.3967, 20.5250,
34.4975

■ 19.4967, 22.5964,
34.7867

■ 21.9499, 24.8949,
35.1011

■ 24.7747, 27.4307,
35.4416

■ 27.9881, 30.2130,
35.8093

Harmonies

Analogous

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



9.3418, 13.1254, 27.5654



11.3633, 13.1254, 33.3870



13.9862, 13.1254, 32.9740

Triad

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



11.3633, 13.1254, 33.3870



17.9318, 13.1254, 10.5193



9.1578, 13.1254, 6.5299

Complementary

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



11.3633, 13.1254, 33.3870



14.7685, 9.1840, 0.9950

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.



11.0773, 13.1254, 4.4660



11.3633, 13.1254, 33.3870



16.2411, 13.1254, 6.1556

Square

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



11.3633, 13.1254, 33.3870



18.0367, 13.1254, 17.8336



13.6576, 13.1254, 4.3584



8.1936, 13.1254, 11.2522

Rectangle

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



11.3633, 13.1254, 33.3870



15.7358, 13.1254, 29.1914



13.6576, 13.1254, 4.3584



9.6995, 13.1254, 5.5870

Sweetspot

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



11.3638, 13.1258, 33.3873



39.5760, 44.9490, 63.7169



12.3983, 23.9811, 6.6455



8.3123, 9.5237, 13.9705



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.



11.3638, 13.1258, 33.3873



20.4566, 23.4747, 60.5796



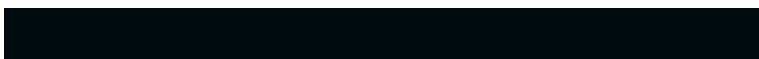
6.4969, 3.3920, 31.7650



6.6495, 7.1647, 8.4391



9.3909, 10.8733, 27.5110



0.2034, 0.2654, 0.5037

Inverse Universe

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



16.4175, 8.1513, 14.8957



29.7260, 14.7670, 26.5693



21.0196, 21.6861, 3.0787



6.8172, 6.7198, 7.8883



13.5383, 6.7199, 12.3515



0.2600, 0.1273, 0.3152

Previews

White Background



This preview shows how the XYZ color 11.3633, 13.1254, 33.3870 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 11.3633, 13.1254, 33.3870 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 11.3633, 13.1254, 33.3870

Background



This preview shows how black text looks on a background with the XYZ color 11.3633, 13.1254, 33.3870.



This preview shows how white text looks on a background with the XYZ color 11.3633, 13.1254,

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

11.3633, 13.1254, 33.3870

Protanopia

13.7283, 13.2156, 30.2611

Deuteranopia

13.4977, 13.1537, 34.1753



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

11.3633, 13.1254, 33.3870

Protanomaly

12.0391, 12.7518, 31.5326

Deuteranomaly

12.1628, 12.9158, 33.7502

Tritanomaly

9.9875, 13.0901, 24.5545

Monochromacy



Original Color

11.3633, 13.1254, 33.3870

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.8640, 9.2949, 15.5670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3633, 13.1254, 33.3870 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, 108, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 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(0, 108, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 156) }
```

Border

The CSS property to change the border of an element to XYZ 11.3633, 13.1254, 33.3870 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, 108, 156) }
```


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

```
.border{ border-color:rgb(0, 108, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3633, 13.1254, 33.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 156) }
```

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

```
.background{ background-color: rgb(0, 108,  
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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