

Converting Colors

XYZ(13.1839, 17.5248, 31.4628)

Have a look what the booklet for
XYZ(13.1839, 17.5248, 31.4628)
contains.

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Color

**XYZ(13.2617, 17.6597,
31.5639)**

Conversions

Conversions Part 1

Format	Color
Hex	038096
RGB	3, 128, 150
RGB Percent	1%, 50%, 59%
CMY	0.9882, 0.4980, 0.4118
CMYK	0.98, 0.15, 0.00, 0.41
HSL	189°, 96%, 30%
HSV	189°, 98%, 59%
XYZ	13.2617, 17.6597, 31.5639
YIQ	93.1330, -81.5620, -19.6580

Conversions

Conversions Part 2

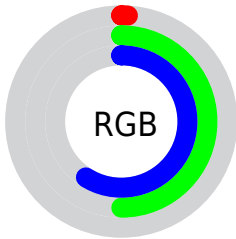
Format	Color
RYB	3, 71, 150
Decimal	229526
CIELab	49.08, -21.19, -20.16
CIELCh	49, 29.244, 223.572
Yxy	17.6597, 0.2122, 0.2826
Android (android.graphics.Color)	4278419606 (0xFF038096)
YUV	93.1330, 28.0354, -79.0466
Hunter-Lab	42.0234, -17.2103, -15.1164

Details

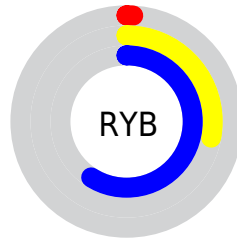
The XYZ color **13.2617, 17.6597, 31.5639** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9424, 7.1867, 0.7917**, and the grayscale version is **10.3872, 10.9282, 11.9008**.

A 20% lighter version of the original color is **31.3534, 39.4336, 63.0857**, and **4.9765, 6.3496, 12.7677** is the 20% darker color. If you saturate the color by 10%, you get **13.1657, 17.5233, 31.5430**, and if you desaturate by 10%, it is **13.7704, 18.3618, 31.6730**.

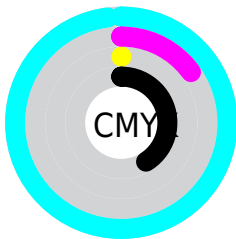
Distribution



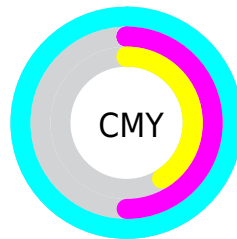
- Red (1%)
- Green (50%)
- Blue (59%)



- Red (1%)
- Yellow (28%)
- Blue (59%)



- Cyan (98%)
- Magenta (15%)
- Yellow (0%)
- Black (41%)



- Cyan (99%)
- Magenta (50%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2617, 17.6597, 31.5639 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 13.2617, 17.6597, 31.5639 by changing the saturation by 10% instead.

■ 13.2617, 17.6597,
31.5639

■ 13.2617, 17.6597,
31.5639

■ 206.1920,
238.9459, 323.5591

■ 7.6872, 10.7059,
20.7666

■ 31.3705, 39.4566,
63.2167

■ 3.9456, 5.8695,
12.7639

■ 44.6355, 55.0685,
84.9093

■ 1.6714, 2.7659,
7.1374

■ 61.1948, 74.3353,
111.0707

■ 0.4383, 1.0108,
3.4684

■ 81.4136, 97.6414,
142.1195

■ 0.0000, 0.0000,
1.3385

■ 105.6574,
125.3711, 178.4742

■ 0.0000, 0.0000,
0.0930

■ 134.2915,

■ 0.0000, 0.0000,

157.9088, 220.5533

0.0000

167.6812,
195.6389, 268.7755

■ 13.2617, 17.6597,
31.5639

■ 13.2617, 17.6597,
31.5639

■ 13.1657, 17.5233,
31.5430

■ 13.7704, 18.3618,
31.6730

■ 14.4510, 19.1620,
31.7915

■ 15.3522, 20.0855,
31.9223

■ 16.4993, 21.1457,
32.0665

■ 17.9141, 22.3536,
32.2251

■ 19.6159, 23.7195,
32.3990

■ 21.6222, 25.2524,
32.5891

■ 23.9493, 26.9606,
32.7962

■ 26.6120, 28.8519,
33.0209

Harmonies

Analogous

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



12.1817, 17.6597, 22.9765



13.2617, 17.6597, 31.5639



15.3437, 17.6597, 37.5542

Triad

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



13.2617, 17.6597, 31.5639



22.3405, 17.6597, 23.8015



15.5830, 17.6597, 8.0038

Complementary

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



13.2617, 17.6597, 31.5639



12.9424, 7.1867, 0.7917

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.



18.3139, 17.6597, 8.1125



13.2617, 17.6597, 31.5639



22.4226, 17.6597, 15.9118

Square

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



13.2617, 17.6597, 31.5639



20.6695, 17.6597, 32.3072



20.8829, 17.6597, 10.6159



13.4205, 17.6597, 10.2632

Rectangle

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



13.2617, 17.6597, 31.5639



17.1142, 17.6597, 38.4750



20.8829, 17.6597, 10.6159



16.4601, 17.6597, 7.7880

Sweetspot

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



13.2623, 17.6603, 31.5643



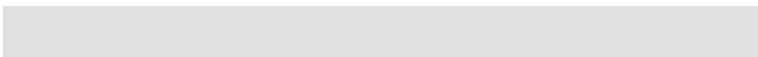
37.5603, 44.1157, 57.4568



11.0951, 21.8928, 4.4315



8.0139, 9.5413, 12.7041



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.



13.2623, 17.6603, 31.5643



23.1331, 30.7219, 55.6319



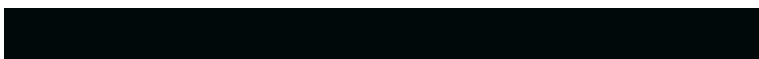
7.0017, 5.1391, 29.4775



5.8909, 6.4159, 7.3976



10.9376, 14.5699, 26.1668



0.1500, 0.2106, 0.3257

Inverse Universe

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



16.5070, 8.1082, 21.1177



28.9696, 14.1520, 36.7037



16.7870, 14.8761, 2.0733



5.9984, 5.8944, 7.0977



13.6479, 6.6642, 17.4244



0.1752, 0.0848, 0.2562

Previews

White Background



This preview shows how the XYZ color 13.2617, 17.6597, 31.5639 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 13.2617, 17.6597, 31.5639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

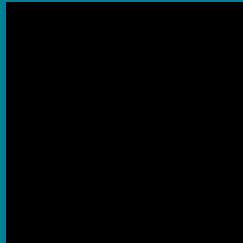
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2617, 17.6597, 31.5639

Background



This preview shows how black text looks on a background with the XYZ color 13.2617, 17.6597, 31.5639.

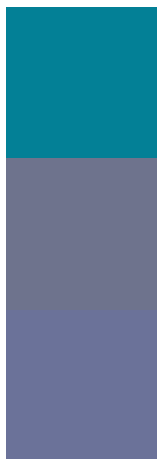


This preview shows how white text looks on a background with the XYZ color 13.2617, 17.6597,

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

13.2617, 17.6597, 31.5639

Protanopia

17.3689, 17.4996, 27.6616

Deuteranopia

17.8305, 17.4603, 32.5674

Trichromacy



Original Color

13.2617, 17.6597, 31.5639

Protanomaly

14.3490, 16.7862, 28.8693

Deuteranomaly

14.7186, 16.7259, 32.1584

Monochromacy



Original Color

13.2617, 17.6597, 31.5639

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0548, 12.4836, 17.7992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2617, 17.6597, 31.5639 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(3, 128, 150)` looks like.

```
.text, #text, p{  
    color:rgb(3, 128, 150)  
}
```

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(3, 128, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 128, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.2617, 17.6597, 31.5639 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(3, 128, 150) }
```

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

```
.border{ border-color:rgb(3, 128, 150) }
```

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

Here you see how a box with a 4 pixel rgb(3, 128, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 128, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 128, 150);  
box-shadow:4px 4px 4px 4px rgb(3, 128,  
150) }
```


Background

The CSS property to change the background color of an element to XYZ 13.2617, 17.6597, 31.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 128, 150) }
```

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

```
.background{ background-color: rgb(3, 128,  
150) }
```

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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