

Converting Colors

XYZ(18.0432, 17.6595, 36.1758)

Have a look what the booklet for
XYZ(18.0432, 17.6595, 36.1758)
contains.

XYZ(18.0432, 17.6595, 36.1758)	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(18.0432, 17.6595,
36.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	6673A1
RGB	102, 115, 161
RGB Percent	40%, 45%, 63%
CMY	0.6000, 0.5490, 0.3686
CMYK	0.37, 0.29, 0.00, 0.37
HSL	227°, 24%, 52%
HSV	227°, 37%, 63%
XYZ	18.0432, 17.6595, 36.1758
YIQ	116.3570, -22.5140, 11.5500

Conversions

Conversions Part 2

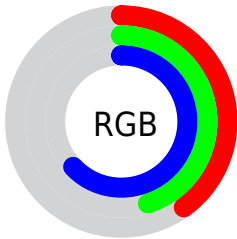
Format	Color
RYB	102, 113, 161
Decimal	6714273
CIELab	49.08, 6.84, -26.31
CIELCh	49, 27.188, 284.575
Yxy	17.6595, 0.2510, 0.2457
Android (android.graphics.Color)	4284904353 (0xFF6673A1)
YUV	116.3570, 22.0090, -12.5911
Hunter-Lab	42.0232, 3.1006, -21.6237

Details

The XYZ color **18.0432, 17.6595, 36.1758** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.6863, 29.7163, 16.8475**, and the grayscale version is **16.6500, 17.5171, 19.0761**.

A 20% lighter version of the original color is **39.7310, 39.5639, 70.5083**, and **6.1836, 5.8485, 15.2710** is the 20% darker color. If you saturate the color by 10%, you get **15.0575, 14.1385, 35.6539**, and if you desaturate by 10%, it is **21.5794, 21.7544, 36.7801**.

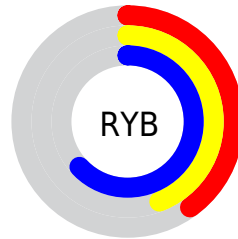
Distribution



Red (40%)

Green (45%)

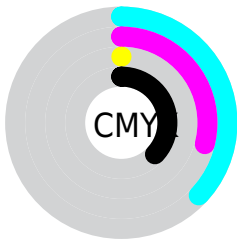
Blue (63%)



Red (40%)

Yellow (44%)

Blue (63%)

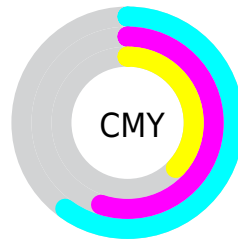


Cyan (37%)

Magenta (29%)

Yellow (0%)

Black (37%)



Cyan (60%)

Magenta (55%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0432, 17.6595, 36.1758 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 18.0432, 17.6595, 36.1758 by changing the saturation by 10% instead.

■ 18.0432, 17.6595,
36.1758

■ 18.0432, 17.6595,
36.1758

234.1553,
238.9448, 344.7889

■ 11.0809, 10.7058,
24.2792

■ 39.6404, 39.4563,
70.4754

■ 6.1890, 5.8694,
15.3268

■ 55.0061, 55.0681,
93.7156

■ 3.0021, 2.7658,
8.8999

■ 73.9035, 74.3348,
121.5740

■ 1.1549, 1.0107,
4.5800

■ 96.6981, 97.6407,
154.4692

■ 0.0703, 0.0000,
1.9486

123.7552,
125.3703, 192.8197

■ 0.0000, 0.0000,
0.5234

155.4402,

■ 0.0000, 0.0000,

157.9079, 237.0442

0.0000

192.1185,
195.6379, 287.5611

■ 18.0432, 17.6595,
36.1758

■ 18.0432, 17.6595,
36.1758

■ 15.0575, 14.1385,
35.6539

■ 21.5794, 21.7544,
36.7801

■ 12.5921, 11.1631,
35.2095

■ 25.6906, 26.4457,
37.4690

■ 10.6166, 8.7055,
34.8393

■ 30.4020, 31.7571,
38.2459

■ 9.0962, 6.7347,
34.5390

■ 35.7368, 37.7105,
39.1138

■ 7.9918, 5.2157,
34.3040

■ 41.7168, 44.3266,
40.0756

■ 7.2490, 4.1048,
34.1287

■ 48.3629, 51.6252,
41.1341

■ 7.0482, 3.8036,
34.0812

■ 55.6950, 59.6252,
42.2918

■ 63.7321, 68.3449,
43.5513

■ 72.4925, 77.8019,
44.9150

Harmonies

Analogous

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



15.5199, 17.6595, 36.0941



18.0432, 17.6595, 36.1758



20.4484, 17.6595, 31.0019

Triad

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



18.0432, 17.6595, 36.1758



20.5068, 17.6595, 10.9920



12.5060, 17.6595, 15.7451

Complementary

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



18.0432, 17.6595, 36.1758



27.6863, 29.7163, 16.8475

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.



13.5872, 17.6595, 10.8914



18.0432, 17.6595, 36.1758



18.1166, 17.6595, 8.6566

Square

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



18.0432, 17.6595, 36.1758



21.9651, 17.6595, 15.9209



15.5864, 17.6595, 8.6251



12.4907, 17.6595, 22.9644

Rectangle

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



18.0432, 17.6595, 36.1758



21.5897, 17.6595, 25.8748



15.5864, 17.6595, 8.6251



12.7516, 17.6595, 13.8300

Sweetspot

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



18.0438, 17.6602, 36.1762



50.4621, 52.3946, 67.8401



23.5095, 30.4288, 32.3345



10.8356, 11.2299, 14.8401



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.0438, 17.6602, 36.1762



27.8683, 26.3935, 64.0122



18.6199, 15.9094, 35.8079



6.8212, 7.1014, 8.9143



5.6552, 3.0897, 27.2281



0.1507, 0.1286, 0.5827

Inverse Universe

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



22.5443, 18.3181, 18.5680



37.2372, 28.1316, 27.2735



26.8676, 32.4934, 17.4266



7.1347, 7.1103, 7.6958



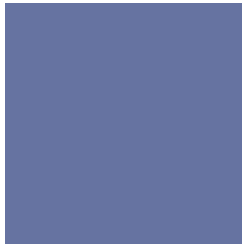
11.9999, 6.1560, 1.9243



0.2682, 0.1358, 0.1250

Previews

White Background



This preview shows how the XYZ color 18.0432, 17.6595, 36.1758 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 18.0432, 17.6595, 36.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

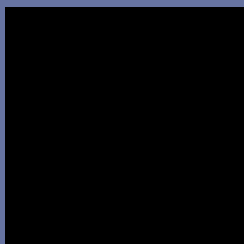
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

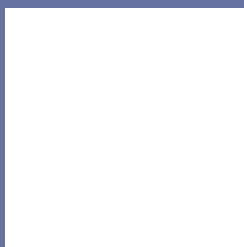
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0432, 17.6595, 36.1758

Background



This preview shows how black text looks on a background with the XYZ color 18.0432, 17.6595, 36.1758.



This preview shows how white text looks on a background with the XYZ color 18.0432, 17.6595,

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

18.0432, 17.6595, 36.1758

Protanopia

18.1573, 17.7182, 36.1812

Deuteranopia

18.0432, 17.6595, 36.1758



Tritanopia

15.5860, 17.7193, 23.7178

Trichromacy



Original Color

18.0432, 17.6595, 36.1758

Protanomaly

18.1573, 17.7182, 36.1812

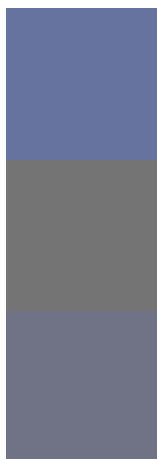
Deuteranomaly

18.0432, 17.6595, 36.1758

Tritanomaly

16.4415, 17.7134, 27.7518

Monochromacy



Original Color

18.0432, 17.6595, 36.1758

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.9658, 17.5362, 24.3204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0432, 17.6595, 36.1758 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(102, 115, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 115, 161)  
}
```

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(102, 115, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 115, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.0432, 17.6595, 36.1758 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(102, 115, 161) }
```


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

```
.border{ border-color:rgb(102, 115, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 115, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 115, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 115, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 115,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0432, 17.6595, 36.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 115, 161) }
```

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

```
.background{ background-color: rgb(102,  
115, 161) }
```

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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