

Converting Colors

XYZ(17.4243, 19.7045, 36.4527)

Have a look what the booklet for
XYZ(17.4243, 19.7045, 36.4527)
contains.

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Color

**XYZ(17.4605, 19.7170,
36.6037)**

Conversions

Conversions Part 1

Format	Color
Hex	5080A1
RGB	80, 128, 161
RGB Percent	31%, 50%, 63%
CMY	0.6863, 0.4980, 0.3686
CMYK	0.50, 0.20, 0.00, 0.37
HSL	204°, 34%, 47%
HSV	204°, 50%, 63%
XYZ	17.4605, 19.7170, 36.6037
YIQ	117.4100, -39.2010, 0.0870

Conversions

Conversions Part 2

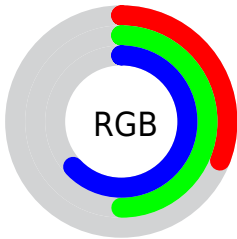
Format	Color
R_{YB}	80, 110, 161
Decimal	5275809
CIE _{Lab}	51.52, -6.78, -22.66
CIE _{LCh}	52, 23.652, 253.337
Yxy	19.7170, 0.2367, 0.2672
Android (android.graphics.Color)	4283465889 (0xFF5080A1)
YUV	117.4100, 21.4899, -32.8086
Hunter-Lab	44.4038, -7.5168, -17.7922

Details

The XYZ color **17.4605, 19.7170, 36.6037** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.0518, 19.9674, 10.2822**, and the grayscale version is **16.9804, 17.8647, 19.4547**.

A 20% lighter version of the original color is **38.7501, 43.0739, 71.2375**, and **5.8872, 6.8667, 15.4831** is the 20% darker color. If you saturate the color by 10%, you get **15.4325, 17.4426, 36.2719**, and if you desaturate by 10%, it is **19.8709, 22.2715, 36.9701**.

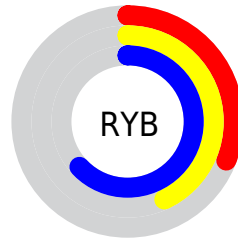
Distribution



Red (31%)

Green (50%)

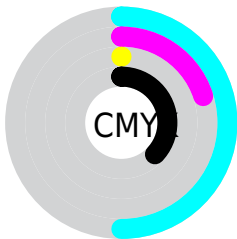
Blue (63%)



Red (31%)

Yellow (43%)

Blue (63%)

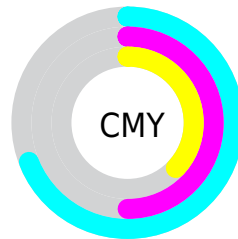


Cyan (50%)

Magenta (20%)

Yellow (0%)

Black (37%)



Cyan (69%)

Magenta (50%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4605, 19.7170, 36.6037 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 17.4605, 19.7170, 36.6037 by changing the saturation by 10% instead.

■ 17.4605, 19.7170,
36.6037

■ 17.4605, 19.7170,
36.6037

230.9172,
250.3789, 346.7084

■ 10.6607, 12.1895,
24.6074

■ 38.6532, 42.9422,
71.1424

■ 5.9048, 6.8729,
15.5685

■ 53.7768, 59.4087,
94.5218

■ 2.8274, 3.3827,
9.0683

■ 72.4057, 79.6236,
122.5327

■ 1.0631, 1.3347,
4.6883

■ 94.9052, 103.9714,
155.5937

■ 0.0000, 0.1678,
2.0101

■ 121.6408,
132.8365, 194.1232

■ 0.0000, 0.0000,
0.5615

152.9777,

■ 0.0000, 0.0000,

166.6031, 238.5398

0.0000

189.2814,
205.6558, 289.2620

■ 17.4605, 19.7170,
36.6037

■ 17.4605, 19.7170,
36.6037

■ 15.4325, 17.4426,
36.2719

■ 19.8709, 22.2715,
36.9701

■ 13.7602, 15.4317,
35.9719

■ 22.6839, 25.1168,
37.3710

■ 12.4164, 13.6691,
35.7026

■ 25.9209, 28.2657,
37.8082

■ 11.3683, 12.1364,
35.4620

■ 29.6007, 31.7294,
38.2828

■ 10.5621, 10.8312,
35.2525

■ 33.7412, 35.5184,
38.7960

■ 38.3591, 39.6429,
39.3487

■ 43.4704, 44.1122,
39.9419

■ 49.0902, 48.9356,
40.5767

■ 55.2329, 54.1216,
41.2540

Harmonies

Analogous

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



15.6096, 19.7170, 31.7598



17.4605, 19.7170, 36.6037



19.8143, 19.7170, 36.8850

Triad

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



17.4605, 19.7170, 36.6037



23.5474, 19.7170, 18.5891



15.7762, 19.7170, 13.2878

Complementary

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



17.4605, 19.7170, 36.6037



22.0518, 19.9674, 10.2822

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.



17.7060, 19.7170, 11.0868



17.4605, 19.7170, 36.6037



22.2641, 19.7170, 13.6817

Square

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



17.4605, 19.7170, 36.6037



23.4675, 19.7170, 25.4437



20.0814, 19.7170, 11.2138



14.6950, 19.7170, 17.9305

Rectangle

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



17.4605, 19.7170, 36.6037



21.3654, 19.7170, 34.3622



20.0814, 19.7170, 11.2138



16.3398, 19.7170, 12.2865

Sweetspot

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



17.4612, 19.7177, 36.6042



49.6329, 53.6671, 68.1294



19.0008, 28.3745, 19.9225



10.6036, 11.5041, 14.9053



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.



17.4612, 19.7177, 36.6042



27.3695, 30.9256, 64.9132



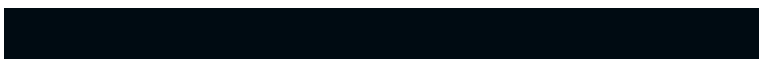
13.2400, 11.2755, 35.1971



7.0329, 7.5249, 8.9848



8.4762, 8.7319, 28.1685



0.2228, 0.2729, 0.6068

Inverse Universe

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



21.4635, 14.8737, 22.1624



35.6356, 22.3229, 34.7720



27.5213, 30.9065, 12.1053



7.2416, 7.1531, 8.2586



13.4239, 6.7256, 9.4228



0.3046, 0.1504, 0.3169

Previews

White Background



This preview shows how the XYZ color 17.4605, 19.7170, 36.6037 looks on a white 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

Black Background



This preview shows how the XYZ color 17.4605, 19.7170, 36.6037 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

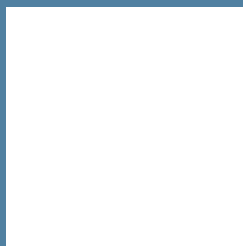
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4605, 19.7170, 36.6037

Background



This preview shows how black text looks on a background with the XYZ color 17.4605, 19.7170, 36.6037.

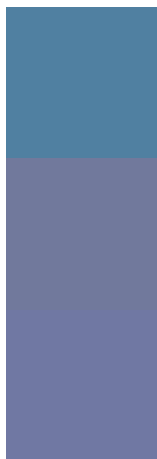


This preview shows how white text looks on a background with the XYZ color 17.4605, 19.7170,

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

17.4605, 19.7170, 36.6037

Protanopia

19.6482, 19.5858, 34.1973

Deuteranopia

20.0094, 19.5220, 37.3638



Tritanopia

15.8228, 19.6414, 28.5484

Trichromacy



Original Color

17.4605, 19.7170, 36.6037

Protanomaly

18.7460, 19.6506, 35.1527

Deuteranomaly

18.8601, 19.4839, 36.9492

Tritanomaly

16.3879, 19.6717, 31.3670

Monochromacy



Original Color

17.4605, 19.7170, 36.6037

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7799, 18.3113, 24.8403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4605, 19.7170, 36.6037 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(80, 128, 161)` looks like.

```
.text, #text, p{  
    color:rgb(80, 128, 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(80, 128, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 161) }
```

Border

The CSS property to change the border of an element to XYZ 17.4605, 19.7170, 36.6037 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(80, 128, 161) }
```


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

```
.border{ border-color:rgb(80, 128, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 128, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 161);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4605, 19.7170, 36.6037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 161) }
```

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

```
.background{ background-color: rgb(80, 128,  
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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