

Converting Colors

XYZ(18.3201, 17.8741, 36.1805)

Have a look what the booklet for
XYZ(18.3201, 17.8741, 36.1805)
contains.

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Color

**XYZ(18.2727, 17.7777,
36.1866)**

Conversions

Conversions Part 1

Format	Color
Hex	6873A1
RGB	104, 115, 161
RGB Percent	41%, 45%, 63%
CMY	0.5921, 0.5490, 0.3686
CMYK	0.35, 0.29, 0.00, 0.37
HSL	228°, 23%, 52%
HSV	228°, 35%, 63%
XYZ	18.2727, 17.7777, 36.1866
YIQ	116.9550, -21.3220, 11.9740

Conversions

Conversions Part 2

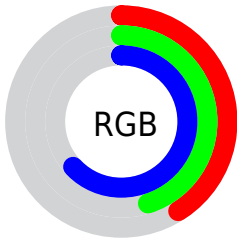
Format	Color
RYB	104, 113, 161
Decimal	6845345
CIELab	49.23, 7.43, -26.08
CIElCh	49, 27.115, 285.905
Yxy	17.7777, 0.2530, 0.2461
Android (android.graphics.Color)	4285035425 (0xFF6873A1)
YUV	116.9550, 21.7142, -11.3615
Hunter-Lab	42.1636, 3.5713, -21.3707

Details

The XYZ color **18.2727, 17.7777, 36.1866** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.1036, 30.3899, 17.4821**, and the grayscale version is **16.8347, 17.7114, 19.2877**.

A 20% lighter version of the original color is **40.1180, 39.7634, 70.5264**, and **6.2888, 5.9027, 15.2759** is the 20% darker color. If you saturate the color by 10%, you get **15.2006, 14.1477, 35.6482**, and if you desaturate by 10%, it is **21.9117, 22.0108, 36.8122**.

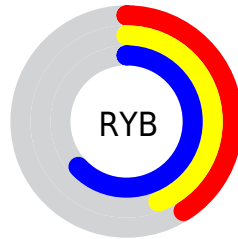
Distribution



Red (41%)

Green (45%)

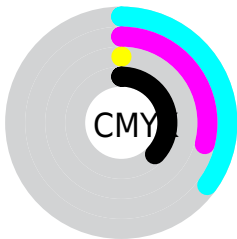
Blue (63%)



Red (41%)

Yellow (44%)

Blue (63%)

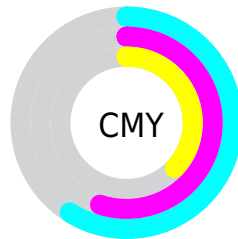


Cyan (35%)

Magenta (29%)

Yellow (0%)

Black (37%)



Cyan (59%)

Magenta (55%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2727, 17.7777, 36.1866 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 18.2727, 17.7777, 36.1866 by changing the saturation by 10% instead.

■ 18.2727, 17.7777,
36.1866

■ 18.2727, 17.7777,
36.1866

235.4196,
239.6151, 344.8374

■ 11.2468, 10.7905,
24.2875

■ 40.0279, 39.6582,
70.4923

■ 6.3016, 5.9261,
15.3329

■ 55.4879, 55.3202,
93.7359

■ 3.0717, 2.8002,
8.9041

■ 74.4901, 74.6427,
121.5982

■ 1.1918, 1.0283,
4.5827

■ 97.3997, 98.0100,
154.4976

■ 0.0999, 0.0000,
1.9502

124.5820,
125.8065, 192.8527

■ 0.0000, 0.0000,
0.5244

156.4026,

■ 0.0000, 0.0000,

158.4165, 237.0820

0.0000

193.2267,
196.2246, 287.6041

■ 18.2727, 17.7777,
36.1866

■ 18.2727, 17.7777,
36.1866

■ 15.2006, 14.1477,
35.6482

■ 21.9117, 22.0108,
36.8122

■ 12.6646, 11.0907,
35.1918

■ 26.1426, 26.8708,
37.5273

■ 10.6334, 8.5774,
34.8137

■ 30.9914, 32.3830,
38.3357

■ 9.0719, 6.5747,
34.5095

■ 36.4816, 38.5706,
39.2406

■ 7.9402, 5.0457,
34.2740

■ 42.6358, 45.4554,
40.2452

■ 7.1886, 3.9468,
34.1015

■ 49.4754, 53.0586,
41.3523

■ 6.9249, 3.5568,
34.0401

■ 57.0206, 61.4002,
42.5647

■ 65.2911, 70.4995,
43.8851

■ 74.3056, 80.3752,
45.3162

Harmonies

Analogous

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



15.7343, 17.7777, 36.3606



18.2727, 17.7777, 36.1866



20.6572, 17.7777, 30.8262

Triad

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



18.2727, 17.7777, 36.1866



20.5326, 17.7777, 10.9418



12.5851, 17.7777, 16.1433

Complementary

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



18.2727, 17.7777, 36.1866



28.1036, 30.3899, 17.4821

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.



13.6235, 17.7777, 11.1570



18.2727, 17.7777, 36.1866



18.1160, 17.7777, 8.7049

Square

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



18.2727, 17.7777, 36.1866



22.0486, 17.7777, 15.7677



15.5925, 17.7777, 8.7723



12.6179, 17.7777, 23.4531

Rectangle

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



18.2727, 17.7777, 36.1866



21.7647, 17.7777, 25.6543



15.5925, 17.7777, 8.7723



12.8155, 17.7777, 14.1849

Sweetspot

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



18.2733, 17.7784, 36.1870



50.3249, 52.1201, 67.7943



23.9272, 30.6224, 33.3357



10.8026, 11.1639, 14.8291



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.



18.2733, 17.7784, 36.1870



28.5660, 26.9351, 64.0799



19.2832, 16.5468, 35.8961



6.8060, 7.0710, 8.9092



5.5543, 2.8880, 27.1945



0.1453, 0.1180, 0.5810

Inverse Universe

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



22.7433, 18.7162, 18.6341



37.7978, 29.1538, 27.7654



26.7282, 32.4099, 17.9445



7.1270, 7.1073, 7.6554



11.9490, 6.1357, 1.6562



0.2655, 0.1347, 0.1109

Previews

White Background



This preview shows how the XYZ color 18.2727, 17.7777, 36.1866 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 18.2727, 17.7777, 36.1866 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

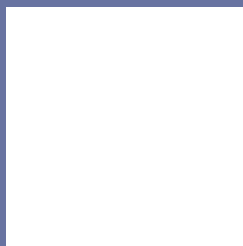
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2727, 17.7777, 36.1866

Background



This preview shows how black text looks on a background with the XYZ color 18.2727, 17.7777, 36.1866.



This preview shows how white text looks on a background with the XYZ color 18.2727, 17.7777,

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

18.2727, 17.7777, 36.1866

Protanopia

18.1573, 17.7182, 36.1812

Deuteranopia

18.1573, 17.7182, 36.1812



Tritanopia

15.7964, 17.8278, 23.7277

Trichromacy



Original Color

18.2727, 17.7777, 36.1866

Protanomaly

18.1573, 17.7182, 36.1812

Deuteranomaly

18.1573, 17.7182, 36.1812

Tritanomaly

16.6601, 17.8261, 27.7620

Monochromacy



Original Color

18.2727, 17.7777, 36.1866

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.1611, 17.6290, 24.6885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2727, 17.7777, 36.1866 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(104, 115, 161)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 115, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 115, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.2727, 17.7777, 36.1866 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(104, 115, 161) }
```


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

```
.border{ border-color:rgb(104, 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(104, 115, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 115, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 115, 161);  
box-shadow:4px 4px 4px 4px rgb(104, 115,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2727, 17.7777, 36.1866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 115, 161) }
```

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

```
.background{ background-color: rgb(104,  
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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