

Converting Colors

XYZ(18.4313, 16.9396, 36.9008)

Have a look what the booklet for
XYZ(18.4313, 16.9396, 36.9008)
contains.

XYZ(18.4935, 17.0474, 36.9661)	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(18.4935, 17.0474,
36.9661)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6EA3
RGB	109, 110, 163
RGB Percent	43%, 43%, 64%
CMY	0.5725, 0.5686, 0.3608
CMYK	0.33, 0.33, 0.00, 0.36
HSL	239°, 23%, 53%
HSV	239°, 33%, 64%
XYZ	18.4935, 17.0474, 36.9661
YIQ	115.7430, -17.6090, 16.2710

Conversions

Conversions Part 2

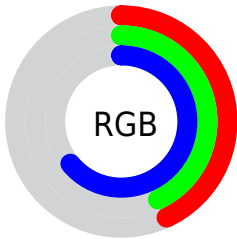
Format	Color
R _{YB}	109, 110, 163
Decimal	7171747
CIE _{Lab}	48.32, 12.49, -28.63
CIE _{LCh}	48, 31.234, 293.576
Y _{xy}	17.0474, 0.2551, 0.2351
Android (android.graphics.Color)	4285361827 (0xFF6D6EA3)
Y _{UV}	115.7430, 23.2977, -5.9136
Hunter-Lab	41.2885, 7.6969, -24.1811

Details

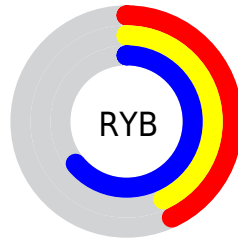
The XYZ color **18.4935, 17.0474, 36.9661** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7855, 34.7320, 19.5502**, and the grayscale version is **16.4572, 17.3143, 18.8553**.

A 20% lighter version of the original color is **40.3000, 38.2331, 71.5853**, and **6.4504, 5.6325, 15.7861** is the 20% darker color. If you saturate the color by 10%, you get **15.0981, 12.9621, 36.3568**, and if you desaturate by 10%, it is **22.5736, 21.9490, 37.6975**.

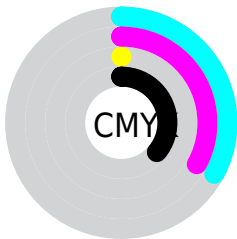
Distribution



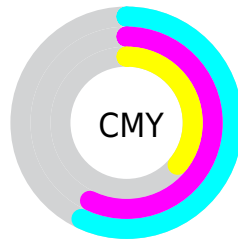
- Red (43%)
- Green (43%)
- Blue (64%)



- Red (43%)
- Yellow (43%)
- Blue (64%)



- Cyan (33%)
- Magenta (33%)
- Yellow (0%)
- Black (36%)



- Cyan (57%)
- Magenta (57%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4935, 17.0474, 36.9661 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 18.4935, 17.0474, 36.9661 by changing the saturation by 10% instead.

■ 18.4935, 17.0474,
36.9661

■ 18.4935, 17.0474,
36.9661

236.6303,
235.4454, 348.3280

■ 11.4067, 10.2683,
24.8857

■ 40.4000, 38.4073,
71.7064

■ 6.4104, 5.5772,
15.7736

■ 55.9504, 53.7568,
95.2033

■ 3.1392, 2.5897,
9.2115

■ 75.0527, 72.7319,
123.3428

■ 1.2278, 0.9215,
4.7807

■ 98.0723, 95.7171,
156.5435

■ 0.1282, 0.0000,
2.0627

125.3744,
123.0966, 195.2238

■ 0.0000, 0.0000,
0.5934

157.3246,

■ 0.0000, 0.0000,

155.2549, 239.8023

0.0000

194.2881,
192.5763, 290.6975

■ 18.4935, 17.0474,
36.9661

■ 18.4935, 17.0474,
36.9661

■ 15.0981, 12.9621,
36.3568

■ 22.5736, 21.9490,
37.6975

■ 12.3483, 9.6469,
35.8619

■ 27.3711, 27.7058,
38.5558

■ 10.2036, 7.0542,
35.4744

■ 32.9188, 34.3565,
39.5471

■ 8.6185, 5.1301,
35.1866

■ 39.2470, 41.9369,
40.6767

■ 7.5408, 3.8133,
34.9892

■ 46.3843, 50.4809,
41.9497

■ 6.9088, 3.0313,
34.8716

■ 54.3577, 60.0206,
43.3708

■ 6.6437, 2.7098,
34.8235

■ 63.1931, 70.5867,
44.9446

■ 72.9154, 82.2085,
46.6754

■ 83.2890, 94.7805,
48.5553

Harmonies

Analogous

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



15.5980, 17.0474, 38.9157



18.4935, 17.0474, 36.9661



21.0210, 17.0474, 29.5181

Triad

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



18.4935, 17.0474, 36.9661



19.6770, 17.0474, 8.5860



11.3477, 17.0474, 16.8616

Complementary

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



18.4935, 17.0474, 36.9661



30.7855, 34.7320, 19.5502

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.



12.1840, 17.0474, 10.7199



18.4935, 17.0474, 36.9661



16.8235, 17.0474, 6.9316

Square

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



18.4935, 17.0474, 36.9661



21.7583, 17.0474, 12.9690



14.1100, 17.0474, 7.5786



11.6843, 17.0474, 25.5677

Rectangle

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



18.4935, 17.0474, 36.9661



22.0439, 17.0474, 23.3587



14.1100, 17.0474, 7.5786



11.4974, 17.0474, 14.4710

Sweetspot

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



18.4941, 17.0481, 36.9665



51.8000, 52.9533, 69.5470



25.8551, 32.0263, 38.6301



11.3467, 11.5485, 15.5686



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4941, 17.0481, 36.9665



28.3824, 24.8310, 65.3531



21.9436, 18.6672, 37.0972



6.7105, 6.8800, 8.8774



5.1671, 2.1135, 27.0654



0.1115, 0.0504, 0.5697

Inverse Universe

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



23.3879, 19.8503, 17.3512



38.5717, 30.6945, 24.5063



26.3062, 32.6852, 19.3912



7.0788, 7.0880, 7.4016



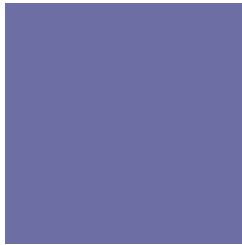
11.7536, 6.0575, 0.6270



0.2485, 0.1279, 0.0211

Previews

White Background



This preview shows how the XYZ color 18.4935, 17.0474, 36.9661 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 18.4935, 17.0474, 36.9661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

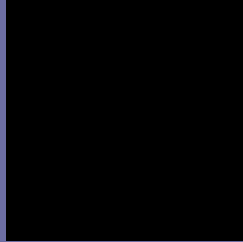
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 18.4935, 17.0474, 36.9661

Background



This preview shows how black text looks on a background with the XYZ color 18.4935, 17.0474, 36.9661.

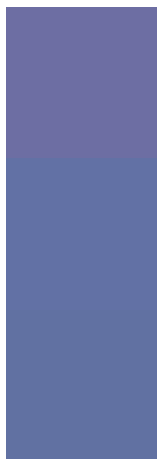


This preview shows how white text looks on a background with the XYZ color 18.4935, 17.0474,

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

18.4935, 17.0474, 36.9661

Protanopia

17.7337, 17.1235, 37.9678

Deuteranopia

17.3565, 16.9603, 36.5413



Tritanopia

15.5589, 17.0216, 22.5441

Trichromacy



Original Color

18.4935, 17.0474, 36.9661

Protanomaly

17.9745, 17.0935, 37.4740

Deuteranomaly

17.6826, 16.9637, 36.5248

Tritanomaly

16.4599, 16.8711, 27.1999

Monochromacy



Original Color

18.4935, 17.0474, 36.9661

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0610, 17.2388, 24.6185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4935, 17.0474, 36.9661 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(109, 110, 163)` looks like.

```
.text, #text, p{  
    color:rgb(109, 110, 163)  
}
```

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(109, 110, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 110, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.4935, 17.0474, 36.9661 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(109, 110, 163) }
```


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

```
.border{ border-color:rgb(109, 110, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 110, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 110, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 110, 163);  
box-shadow:4px 4px 4px 4px rgb(109, 110,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4935, 17.0474, 36.9661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 110, 163) }
```

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

```
.background{ background-color: rgb(109,  
110, 163) }
```

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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