

Converting Colors

XYZ(17.4084, 18.1261, 31.9121)

Have a look what the booklet for
XYZ(17.4084, 18.1261, 31.9121)
contains.

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Color

**XYZ(17.4383, 18.1373,
31.8599)**

Conversions

Conversions Part 1

Format	Color
Hex	647797
RGB	100, 119, 151
RGB Percent	39%, 47%, 59%
CMY	0.6078, 0.5333, 0.4078
CMYK	0.34, 0.21, 0.00, 0.41
HSL	218°, 20%, 49%
HSV	218°, 34%, 59%
XYZ	17.4383, 18.1373, 31.8599
YIQ	116.9670, -21.5960, 5.9240

Conversions

Conversions Part 2

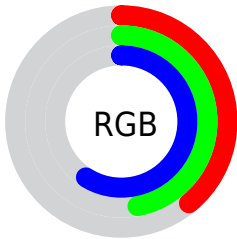
Format	Color
R_{YB}	100, 114, 151
Decimal	6584215
CIE _{Lab}	49.66, 1.09, -19.57
CIE _{LCh}	50, 19.597, 273.179
Yxy	18.1373, 0.2586, 0.2690
Android (android.graphics.Color)	4284774295 (0xFF647797)
YUV	116.9670, 16.7783, -14.8801
Hunter-Lab	42.5879, -1.4392, -14.5432

Details

The XYZ color **17.4383, 18.1373, 31.8599** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.3145, 24.0025, 15.4615**, and the grayscale version is **16.8533, 17.7309, 19.3090**.

A 20% lighter version of the original color is **38.5312, 40.2090, 63.4879**, and **5.9187, 6.1304, 12.9279** is the 20% darker color. If you saturate the color by 10%, you get **14.8485, 15.2113, 31.4319**, and if you desaturate by 10%, it is **20.4512, 21.4492, 32.3407**.

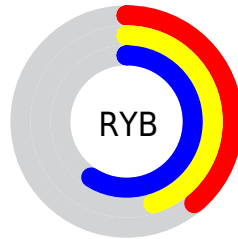
Distribution



Red (39%)

Green (47%)

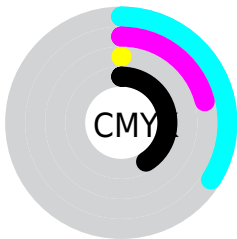
Blue (59%)



Red (39%)

Yellow (45%)

Blue (59%)

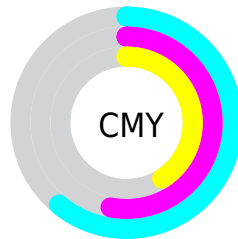


Cyan (34%)

Magenta (21%)

Yellow (0%)

Black (41%)



Cyan (61%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4383, 18.1373, 31.8599 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 17.4383, 18.1373, 31.8599 by changing the saturation by 10% instead.

■ 17.4383, 18.1373,
31.8599

■ 17.4383, 18.1373,
31.8599

230.7930,
241.6438, 324.9536

■ 10.6447, 11.0486,
20.9906

■ 38.6155, 40.2711,
63.6867

■ 5.8940, 6.0995,
12.9259

■ 53.7298, 56.0851,
85.4814

■ 2.8208, 2.9057,
7.2474

■ 72.3484, 75.5762,
111.7548

■ 1.0597, 1.0827,
3.5365

■ 94.8366, 99.1290,
142.9256

■ 0.0000, 0.0000,
1.3747

121.5598,
127.1277, 179.4124

■ 0.0000, 0.0000,
0.1219

152.8834,

■ 0.0000, 0.0000,

159.9568, 221.6336

0.0000

189.1727,
198.0007, 270.0078

■ 17.4383, 18.1373,
31.8599

■ 17.4383, 18.1373,
31.8599

■ 14.8485, 15.2113,
31.4319

■ 20.4512, 21.4492,
32.3407

■ 12.6598, 12.6536,
31.0536

■ 23.9046, 25.1592,
32.8748

■ 10.8504, 10.4485,
30.7233

■ 27.8166, 29.2818,
33.4643

■ 9.3958, 8.5779,
30.4389

■ 32.2040, 33.8298,
34.1109

■ 8.2682, 7.0217,
30.1980

■ 37.0828, 38.8156,
34.8162

■ 7.4347, 5.7571,
29.9979

■ 42.4680, 44.2511,
35.5815

■ 7.0125, 5.0875,
29.8909

■ 48.3742, 50.1475,
36.4083

■ 54.8150, 56.5158,
37.2980

■ 61.8039, 63.3665,
38.2520

Harmonies

Analogous

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



15.6732, 18.1373, 30.3873



17.4383, 18.1373, 31.8599



19.2738, 18.1373, 29.6356

Triad

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



17.4383, 18.1373, 31.8599



20.4131, 18.1373, 14.6509



14.2367, 18.1373, 15.4731

Complementary

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



17.4383, 18.1373, 31.8599



23.3145, 24.0025, 15.4615

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.



15.3526, 18.1373, 12.3485



17.4383, 18.1373, 31.8599



18.9057, 18.1373, 11.9373

Square

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



17.4383, 18.1373, 31.8599



21.0673, 18.1373, 19.1852



17.0411, 18.1373, 11.1766



13.9050, 18.1373, 20.3226

Rectangle

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



17.4383, 18.1373, 31.8599



20.2674, 18.1373, 26.5544



17.0411, 18.1373, 11.1766



14.5283, 18.1373, 14.2177

Sweetspot

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



17.4389, 18.1380, 31.8603



45.2170, 47.6086, 59.2399



20.4500, 26.4939, 25.6695



10.0764, 10.6084, 13.4340



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.4389, 18.1380, 31.8603



27.4397, 28.2118, 56.4329



16.0817, 14.4106, 31.2124



6.0636, 6.3845, 7.8417



5.9913, 4.3792, 25.4372



0.1226, 0.1315, 0.3913

Inverse Universe

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



20.6500, 17.0262, 19.6514



34.2595, 26.3085, 30.4004



25.0532, 29.0780, 16.3495



6.2992, 6.2588, 6.9558



11.4829, 5.8474, 3.8018



0.1883, 0.0941, 0.1446

Previews

White Background



This preview shows how the XYZ color 17.4383, 18.1373, 31.8599 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 17.4383, 18.1373, 31.8599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

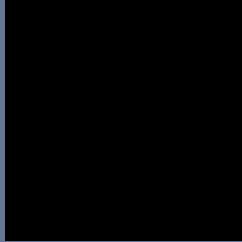
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

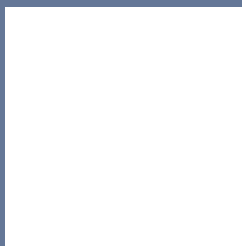
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4383, 18.1373, 31.8599

Background



This preview shows how black text looks on a background with the XYZ color 17.4383, 18.1373, 31.8599.

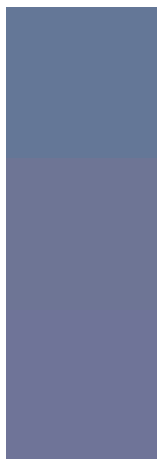


This preview shows how white text looks on a background with the XYZ color 17.4383, 18.1373,

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

17.4383, 18.1373, 31.8599

Protanopia

18.2165, 18.2075, 30.9881

Deuteranopia

18.4684, 18.1373, 32.2332



Tritanopia

15.9483, 18.0718, 24.4774

Trichromacy



Original Color

17.4383, 18.1373, 31.8599

Protanomaly

17.9273, 18.2230, 31.4267

Deuteranomaly

18.0922, 18.1154, 32.2488

Tritanomaly

16.4273, 18.0802, 27.0501

Monochromacy



Original Color

17.4383, 18.1373, 31.8599

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9964, 17.9214, 23.3322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4383, 18.1373, 31.8599 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(100, 119, 151)` looks like.

```
.text, #text, p{  
    color:rgb(100, 119, 151)  
}
```

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(100, 119, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 119, 151) }
```

Border

The CSS property to change the border of an element to XYZ 17.4383, 18.1373, 31.8599 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(100, 119, 151) }
```


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

```
.border{ border-color:rgb(100, 119, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 119, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 119, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 119, 151);  
box-shadow:4px 4px 4px 4px rgb(100, 119,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4383, 18.1373, 31.8599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 119, 151) }
```

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

```
.background{ background-color: rgb(100,  
119, 151) }
```

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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