

Converting Colors

XYZ(18.3523, 17.1329, 42.0088)

Have a look what the booklet for
XYZ(18.3523, 17.1329, 42.0088)
contains.

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Color

**XYZ(18.3740, 17.2021,
41.8871)**

Conversions

Conversions Part 1

Format	Color
Hex	6270AD
RGB	98, 112, 173
RGB Percent	38%, 44%, 68%
CMY	0.6157, 0.5608, 0.3216
CMYK	0.43, 0.35, 0.00, 0.32
HSL	229°, 31%, 53%
HSV	229°, 43%, 68%
XYZ	18.3740, 17.2021, 41.8871
YIQ	114.7680, -27.9250, 16.0030

Conversions

Conversions Part 2

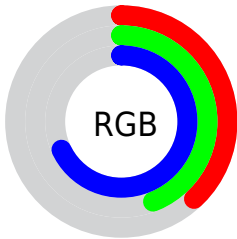
Format	Color
R _Y B	98, 110, 173
Decimal	6451373
CIE Lab	48.51, 11.03, -34.23
CIE LCh	49, 35.961, 287.863
Yxy	17.2021, 0.2372, 0.2221
Android (android.graphics.Color)	4284641453 (0xFF6270AD)
YUV	114.7680, 28.7084, -14.7055
Hunter-Lab	41.4754, 6.4952, -30.8457

Details

The XYZ color **18.3740, 17.2021, 41.8871** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.8371, 34.5634, 16.5496**, and the grayscale version is **16.1480, 16.9889, 18.5010**.

A 20% lighter version of the original color is **40.3672, 38.8835, 79.5064**, and **6.3626, 5.6945, 18.5331** is the 20% darker color. If you saturate the color by 10%, you get **15.2721, 13.4758, 41.3317**, and if you desaturate by 10%, it is **22.1233, 21.6229, 42.5431**.

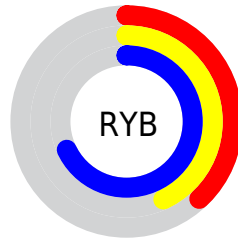
Distribution



Red (38%)

Green (44%)

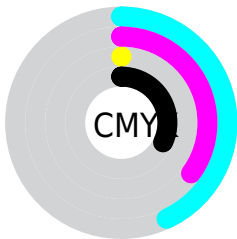
Blue (68%)



Red (38%)

Yellow (43%)

Blue (68%)

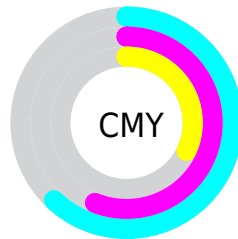


Cyan (43%)

Magenta (35%)

Yellow (0%)

Black (32%)



Cyan (62%)

Magenta (56%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3740, 17.2021, 41.8871 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 18.3740, 17.2021, 41.8871 by changing the saturation by 10% instead.

■ 18.3740, 17.2021,
41.8871

■ 18.3740, 17.2021,
41.8871

235.9758,
236.3343, 369.8006

■ 11.3201, 10.3787,
28.6880

■ 40.1987, 38.6729,
79.2970

■ 6.3515, 5.6508,
18.6014

■ 55.7002, 54.0891,
104.3448

■ 3.1026, 2.6339,
11.2087

■ 74.7484, 73.1384,
134.1793

■ 1.2083, 0.9437,
6.0915

■ 97.7085, 96.2051,
169.2190

■ 0.1129, 0.0000,
2.8311

124.9460,
123.6737, 209.8824

■ 0.0000, 0.0000,
1.0090

156.8261,

■ 0.0000, 0.0000,

155.9285, 256.5881

0.0000

193.7142,
193.3539, 309.7547

■ 18.3740, 17.2021,
41.8871

■ 18.3740, 17.2021,
41.8871

■ 15.2721, 13.4758,
41.3317

■ 22.1233, 21.6229,
42.5431

■ 12.7781, 10.4061,
40.8706

■ 26.5524, 26.7697,
43.3031

■ 10.8512, 7.9543,
40.4989

■ 31.6939, 32.6742,
44.1718

■ 9.4446, 6.0765,
40.2106

■ 37.5778, 39.3658,
45.1533

■ 8.5031, 4.7227,
39.9989

■ 44.2321, 46.8721,
46.2514

■ 8.0673, 4.0659,
39.8951

■ 51.6836, 55.2195,
47.4699

■ 59.9576, 64.4333,
48.8123

■ 69.0784, 74.5375,
50.2819

■ 79.0692, 85.5552,
51.8819

Harmonies

Analogous

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



15.0524, 17.2021, 42.6955



18.3740, 17.2021, 41.8871



21.5193, 17.2021, 33.7528

Triad

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



18.3740, 17.2021, 41.8871



20.9857, 17.2021, 8.2305



10.8997, 17.2021, 15.1644

Complementary

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



18.3740, 17.2021, 41.8871



31.8371, 34.5634, 16.5496

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.



12.0830, 17.2021, 8.9947



18.3740, 17.2021, 41.8871



17.7203, 17.2021, 5.9920

Square

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



18.3740, 17.2021, 41.8871



23.1611, 17.2021, 13.6921



14.4805, 17.2021, 6.2144



11.0253, 17.2021, 24.8734

Rectangle

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



18.3740, 17.2021, 41.8871



22.9576, 17.2021, 26.4435



14.4805, 17.2021, 6.2144



11.1502, 17.2021, 12.6848

Sweetspot

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



18.3746, 17.2027, 41.8875



56.8840, 58.6570, 79.1296



26.1527, 34.9529, 37.7165



11.9076, 12.2276, 17.1202



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.3746, 17.2027, 41.8875



27.5734, 24.4040, 74.0629



19.7265, 15.7823, 41.5421



7.6954, 7.9901, 10.0894



5.9585, 3.0509, 29.3193



0.2006, 0.1547, 0.8273

Inverse Universe

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



24.5265, 18.7902, 17.6639



40.1920, 28.1738, 24.2604



29.8186, 37.3010, 17.1844



8.0640, 8.0389, 8.6481



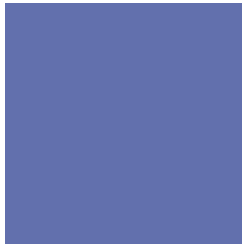
12.8712, 6.6110, 1.7014



0.3757, 0.1910, 0.1401

Previews

White Background



This preview shows how the XYZ color 18.3740, 17.2021, 41.8871 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 18.3740, 17.2021, 41.8871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

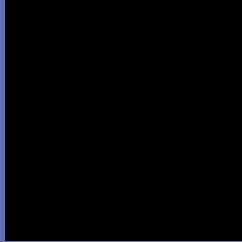
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3740, 17.2021, 41.8871

Background



This preview shows how black text looks on a background with the XYZ color 18.3740, 17.2021, 41.8871.

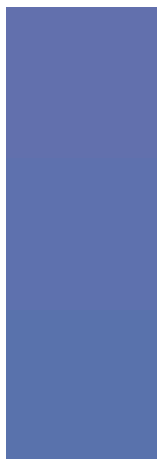


This preview shows how white text looks on a background with the XYZ color 18.3740, 17.2021,

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

18.3740, 17.2021, 41.8871

Protanopia

18.1612, 17.2459, 42.4160

Deuteranopia

17.5835, 17.1370, 41.4108



Tritanopia

14.7971, 17.3127, 23.6809

Trichromacy



Original Color

18.3740, 17.2021, 41.8871

Protanomaly

18.2644, 17.2991, 42.4208

Deuteranomaly

17.7652, 17.0641, 41.3871

Tritanomaly

15.9811, 17.2563, 29.6826

Monochromacy



Original Color

18.3740, 17.2021, 41.8871

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.7679, 17.0634, 25.7024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3740, 17.2021, 41.8871 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(98, 112, 173) looks like.

```
.text, #text, p{  
    color:rgb(98, 112, 173)  
}
```

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(98, 112, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 112, 173) }
```

Border

The CSS property to change the border of an element to XYZ 18.3740, 17.2021, 41.8871 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(98, 112, 173) }
```


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

```
.border{ border-color:rgb(98, 112, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 112, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 112, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 112, 173);  
box-shadow:4px 4px 4px 4px rgb(98, 112,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3740, 17.2021, 41.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 112, 173) }
```

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

```
.background{ background-color: rgb(98, 112,  
173) }
```

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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