

Converting Colors

XYZ(10.3204, 10.0672, 18.4577)

Have a look what the booklet for
XYZ(10.3204, 10.0672, 18.4577)
contains.

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Color

**XYZ(10.4159, 10.1723,
18.5540)**

Conversions

Conversions Part 1

Format	Color
Hex	545876
RGB	84, 88, 118
RGB Percent	33%, 35%, 46%
CMY	0.6706, 0.6549, 0.5373
CMYK	0.29, 0.25, 0.00, 0.54
HSL	233°, 17%, 40%
HSV	233°, 29%, 46%
XYZ	10.4159, 10.1723, 18.5540
YIQ	90.2240, -12.0140, 8.4820

Conversions

Conversions Part 2

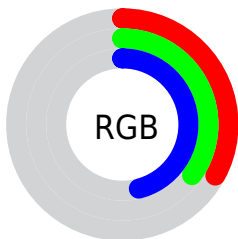
Format	Color
R_{YB}	84, 88, 118
Decimal	5527670
CIE Lab	38.15, 5.87, -17.52
CIE LCh	38, 18.475, 288.512
Yxy	10.1723, 0.2661, 0.2599
Android (android.graphics.Color)	4283717750 (0xFF545876)
YUV	90.2240, 13.6936, -5.4584
Hunter-Lab	31.8940, 2.4796, -12.1655

Details


The XYZ color **10.4159, 10.1723, 18.5540** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.0889, 16.5263, 10.7824**, and the grayscale version is **9.7409, 10.2482, 11.1603**.

A 20% lighter version of the original color is **26.1757, 26.1476, 41.6976**, and **2.7323, 2.5633, 6.1451** is the 20% darker color. If you saturate the color by 10%, you get **8.6530, 8.0843, 18.2441**, and if you desaturate by 10%, it is **12.4796, 12.5970, 18.9134**.

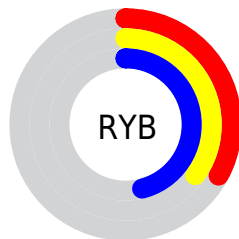
Distribution



 Red (33%)

 Green (35%)

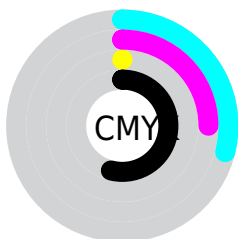
 Blue (46%)





 Red (33%)

 Yellow (35%)

 Blue (46%)

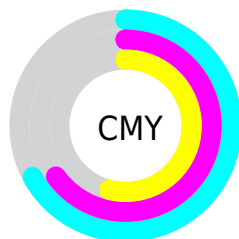



 Cyan (29%)


 Magenta (25%)

 Yellow (0%)

 Black (54%)



 Cyan (67%)

 Magenta (65%)

 Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4159, 10.1723, 18.5540 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 10.4159, 10.1723, 18.5540 by changing the saturation by 10% instead.

■ 10.4159, 10.1723,
18.5540

■ 10.4159, 10.1723,
18.5540

187.6075,
191.8974, 256.3156

■ 5.7399, 5.5133,
11.1749

■ 26.2175, 26.1191,
41.8057

■ 2.7268, 2.5515,
6.0690

■ 38.0739, 38.1757,
58.5154

■ 1.0110, 0.9023,
2.8176

■ 53.0545, 53.4670,
79.1724

■ 0.0000, 0.0000,
1.0023

■ 71.5246, 72.3774,
104.1952

■ 0.0000, 0.0000,
0.0000

■ 93.8495, 95.2912,
134.0024

120.3948,

122.5929, 169.0125

151.5256,
154.6668, 209.6440

■ 10.4159, 10.1723,
18.5540

■ 10.4159, 10.1723,
18.5540

■ 8.6530, 8.0843,
18.2441

■ 12.4796, 12.5970,
18.9134

■ 7.1757, 6.3169,
17.9808

■ 14.8561, 15.3713,
19.3237

■ 5.9692, 4.8544,
17.7621

■ 17.5581, 18.5085,
19.7868

■ 5.0168, 3.6796,
17.5855

■ 20.5973, 22.0213,
20.3046

■ 4.3002, 2.7731,
17.4483

■ 23.9849, 25.9215,
20.8789

■ 3.7981, 2.1134,
17.3474

■ 27.7313, 30.2204,
21.5112

■ 3.4601, 1.6621,
17.2782

■ 31.8468, 34.9291,
22.2032

■ 3.4255, 1.6190,
17.2717

■ 36.3411, 40.0578,
22.9563

■ 41.2235, 45.6168,
23.7719

Harmonies

Analogous

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



9.2184, 10.1723, 18.8497



10.4159, 10.1723, 18.5540



11.4923, 10.1723, 16.0276

Triad

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



10.4159, 10.1723, 18.5540



11.2705, 10.1723, 6.8445



7.5886, 10.1723, 9.8173

Complementary

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



10.4159, 10.1723, 18.5540



15.0889, 16.5263, 10.7824

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.



8.0486, 10.1723, 7.2662



10.4159, 10.1723, 18.5540



10.1329, 10.1723, 5.8012

Square

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



10.4159, 10.1723, 18.5540



12.0130, 10.1723, 9.1166



8.9577, 10.1723, 5.9377



7.6507, 10.1723, 13.2975

Rectangle

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



10.4159, 10.1723, 18.5540



11.9660, 10.1723, 13.6632



8.9577, 10.1723, 5.9377



7.6856, 10.1723, 8.8378

Sweetspot

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



10.4162, 10.1727, 18.5542



25.9385, 26.8143, 33.9456



13.1418, 16.0447, 18.1654



5.8445, 6.0263, 7.7841



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.4162, 10.1727, 18.5542



16.0731, 15.2348, 32.2305



11.3137, 10.1611, 18.5047



3.5322, 3.6530, 4.6092



3.7002, 1.7401, 18.6834



17.6890, 7.7946, 90.9325

Inverse Universe

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



12.4033, 10.8971, 10.6826



20.2301, 16.8169, 15.7477



13.9674, 16.6328, 10.8621



3.6999, 3.7072, 3.9463



8.1648, 4.1996, 0.8102



39.6153, 20.3963, 3.0378

Previews

White Background



This preview shows how the XYZ color 10.4159, 10.1723, 18.5540 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 10.4159, 10.1723, 18.5540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

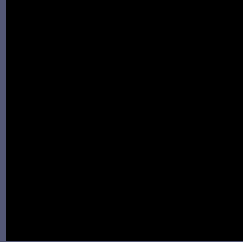
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4159, 10.1723, 18.5540

Background



This preview shows how black text looks on a background with the XYZ color 10.4159, 10.1723, 18.5540.

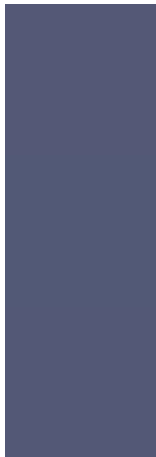


This preview shows how white text looks on a background with the XYZ color 10.4159, 10.1723,

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

10.4159, 10.1723, 18.5540

Protanopia

10.3221, 10.2466, 18.5733

Deuteranopia

10.3270, 10.1265, 18.5498



Tritanopia

9.3875, 10.2606, 13.2901

Trichromacy



Original Color

10.4159, 10.1723, 18.5540

Protanomaly

10.4097, 10.2918, 18.5774

Deuteranomaly

10.3270, 10.1265, 18.5498

Tritanomaly

9.7359, 10.2721, 15.1052

Monochromacy



Original Color

10.4159, 10.1723, 18.5540

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8971, 10.1396, 13.4921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4159, 10.1723, 18.5540 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(84, 88, 118) looks like.

```
.text, #text, p{  
    color:rgb(84, 88, 118)  
}
```

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(84, 88, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 88, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.4159, 10.1723, 18.5540 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(84, 88, 118) }
```


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

```
.border{ border-color:rgb(84, 88, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 88, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 88, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 88, 118);  
box-shadow:4px 4px 4px 4px rgb(84, 88,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4159, 10.1723, 18.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 88, 118) }
```

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

```
.background{ background-color: rgb(84, 88,  
118) }
```

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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