

Converting Colors

XYZ(10.3459, 11.8495, 20.4480)

Have a look what the booklet for
XYZ(10.3459, 11.8495, 20.4480)
contains.

XYZ(10.3432, 11.8274, 20.4767)	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(10.3432, 11.8274,
20.4767)**

Conversions

Conversions Part 1

Format	Color
Hex	40657B
RGB	64, 101, 123
RGB Percent	25%, 40%, 48%
CMY	0.7490, 0.6039, 0.5176
CMYK	0.48, 0.18, 0.00, 0.52
HSL	202°, 32%, 37%
HSV	202°, 48%, 48%
XYZ	10.3432, 11.8274, 20.4767
YIQ	92.4450, -29.1140, -1.0020

Conversions

Conversions Part 2

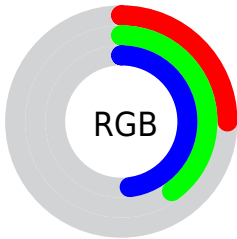
Format	Color
R_{YB}	64, 87, 123
Decimal	4220283
CIE _{Lab}	40.94, -6.72, -16.41
CIE _{LCh}	41, 17.735, 247.732
Yxy	11.8274, 0.2425, 0.2773
Android (android.graphics.Color)	4282410363 (0xFF40657B)
YUV	92.4450, 15.0636, -24.9463
Hunter-Lab	34.3910, -6.4998, -11.2281

Details

The XYZ color **10.3432, 11.8274, 20.4767** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.4219, 11.2371, 6.3652**, and the grayscale version is **10.2468, 10.7805, 11.7399**.

A 20% lighter version of the original color is **26.1349, 29.2359, 45.3399**, and **2.6679, 3.1908, 6.9538** is the 20% darker color. If you saturate the color by 10%, you get **9.1970, 10.5940, 20.2993**, and if you desaturate by 10%, it is **11.6915, 13.2024, 20.6713**.

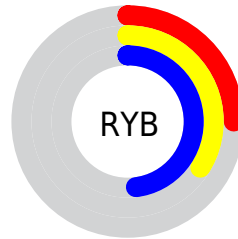
Distribution



Red (25%)

Green (40%)

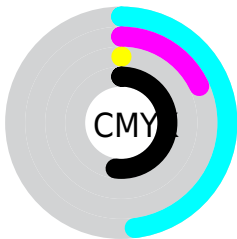
Blue (48%)



Red (25%)

Yellow (34%)

Blue (48%)

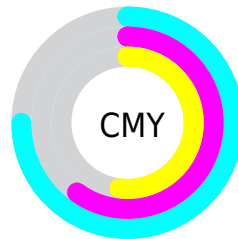


Cyan (48%)

Magenta (18%)

Yellow (0%)

Black (52%)



Cyan (75%)

Magenta (60%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3432, 11.8274, 20.4767 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 10.3432, 11.8274, 20.4767 by changing the saturation by 10% instead.

■ 10.3432, 11.8274,
20.4767

■ 10.3432, 11.8274,
20.4767

187.1072,
203.2593, 267.1733

■ 5.6911, 6.6263,
12.5545

■ 26.0829, 29.1804,
45.0844

■ 2.6970, 3.2295,
6.9954

■ 37.9012, 42.1010,
62.6070

■ 0.9957, 1.2527,
3.3808

■ 52.8390, 58.3635,
84.1668

■ 0.0000, 0.1041,
1.2922

■ 71.2616, 78.3524,
110.1824

■ 0.0000, 0.0000,
0.0554

■ 93.5344, 102.4520,
141.0723

■ 0.0000, 0.0000,
0.0000

120.0226,

131.0468, 177.2551

151.0918,
164.5211, 219.1492

■ 10.3432, 11.8274,
20.4767

■ 10.3432, 11.8274,
20.4767

■ 9.1970, 10.5940,
20.2993

■ 11.6915, 13.2024,
20.6713

■ 8.2396, 9.4940,
20.1374

■ 13.2518, 14.7239,
20.8827

■ 7.4578, 8.5202,
19.9906

■ 15.0347, 16.3982,
21.1119

■ 6.8360, 7.6640,
19.8581

■ 17.0497, 18.2308,
21.3594

■ 6.3358, 6.9049,
19.7380

■ 19.3057, 20.2268,
21.6258

■ 6.2386, 6.7569,
19.7145

■ 21.8112, 22.3911,
21.9115

■ 24.5741, 24.7283,
22.2170

■ 27.6021, 27.2429,
22.5428

■ 30.9026, 29.9391,
22.8892

Harmonies

Analogous

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



9.4223, 11.8274, 17.6387



10.3432, 11.8274, 20.4767



11.5727, 11.8274, 21.1056

Triad

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



10.3432, 11.8274, 20.4767



13.8334, 11.8274, 11.9616



9.8152, 11.8274, 8.1094

Complementary

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



10.3432, 11.8274, 20.4767



12.4219, 11.2371, 6.3652

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.



10.9169, 11.8274, 7.1264



10.3432, 11.8274, 20.4767



13.2812, 11.8274, 9.0617

Square

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



10.3432, 11.8274, 20.4767



13.6510, 11.8274, 15.7079



12.1905, 11.8274, 7.4389



9.1338, 11.8274, 10.4103

Rectangle

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



10.3432, 11.8274, 20.4767



12.4142, 11.8274, 20.0960



12.1905, 11.8274, 7.4389



10.1453, 11.8274, 7.6356

Sweetspot

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



10.3436, 11.8278, 20.4770



28.1808, 30.5198, 37.9622



10.8627, 15.9222, 11.2281



6.4868, 7.0503, 8.9220



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.3436, 11.8278, 20.4770



16.1983, 18.6687, 36.3063



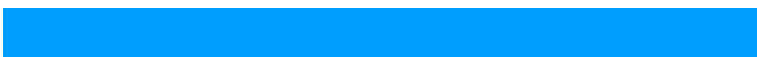
7.9987, 7.1380, 19.6953



3.9874, 4.2731, 5.0578



6.4484, 6.9793, 20.3926



29.9230, 31.6186, 96.9957

Inverse Universe

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



12.3511, 8.8178, 13.3634



20.4227, 13.1155, 21.1621



15.2401, 16.8734, 7.3046



4.0941, 4.0534, 4.6931



9.8382, 4.9114, 7.7048



46.5069, 23.2591, 34.5290

Previews

White Background



This preview shows how the XYZ color 10.3432, 11.8274, 20.4767 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 10.3432, 11.8274, 20.4767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

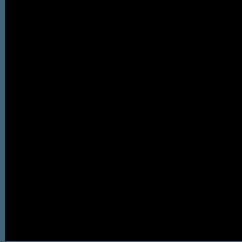
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3432, 11.8274, 20.4767

Background



This preview shows how black text looks on a background with the XYZ color 10.3432, 11.8274, 20.4767.

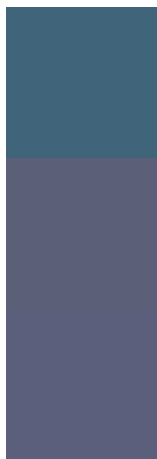


This preview shows how white text looks on a background with the XYZ color 10.3432, 11.8274,

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

10.3432, 11.8274, 20.4767

Protanopia

11.7364, 11.7405, 19.1003

Deuteranopia

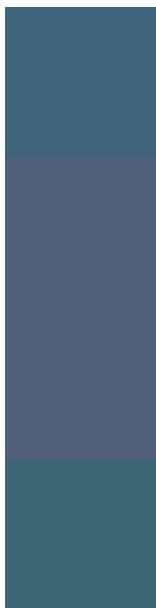
12.0447, 11.8638, 20.7239



Tritanopia

9.5830, 11.8089, 16.8132

Trichromacy



Original Color

10.3432, 11.8274, 20.4767

Protanomaly

11.0582, 11.6548, 19.4361

Deuteranomaly

11.3061, 11.7540, 20.7416

Tritanomaly

9.7704, 11.7326, 17.9693

Monochromacy



Original Color

10.3432, 11.8274, 20.4767

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.0201, 10.9575, 14.4189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3432, 11.8274, 20.4767 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(64, 101, 123)` looks like.

```
.text, #text, p{  
    color:rgb(64, 101, 123)  
}
```

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(64, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 101, 123) }
```

Border

The CSS property to change the border of an element to XYZ 10.3432, 11.8274, 20.4767 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(64, 101, 123) }
```


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

```
.border{ border-color:rgb(64, 101, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 101, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 101, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 101, 123);  
box-shadow:4px 4px 4px 4px rgb(64, 101,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3432, 11.8274, 20.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 101, 123) }
```

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

```
.background{ background-color: rgb(64, 101,  
123) }
```

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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