

Converting Colors

XYZ(10.8566, 13.2879, 20.5359)

Have a look what the booklet for
XYZ(10.8566, 13.2879, 20.5359)
contains.

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Color

**XYZ(10.8450, 13.3031,
20.4085)**

Conversions

Conversions Part 1

Format	Color
Hex	3C6D7A
RGB	60, 109, 122
RGB Percent	24%, 43%, 48%
CMY	0.7647, 0.5725, 0.5216
CMYK	0.51, 0.11, 0.00, 0.52
HSL	193°, 34%, 36%
HSV	193°, 51%, 48%
XYZ	10.8450, 13.3031, 20.4085
YIQ	95.8310, -33.3770, -6.3450

Conversions

Conversions Part 2

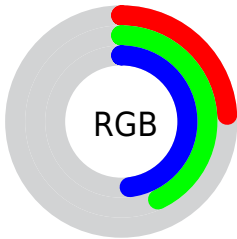
Format	Color
R_{YB}	60, 87, 122
Decimal	3960186
CIE _{Lab}	43.22, -12.73, -12.36
CIE _{LCh}	43, 17.745, 224.155
Yxy	13.3031, 0.2434, 0.2986
Android (android.graphics.Color)	4282150266 (0xFF3C6D7A)
YUV	95.8310, 12.9013, -31.4238
Hunter-Lab	36.4734, -10.7533, -7.6440




Details

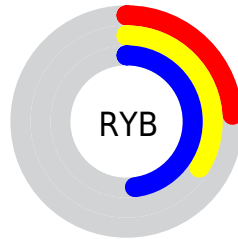
The XYZ color **10.8450, 13.3031, 20.4085** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2245, 9.2293, 5.4653**, and the grayscale version is **11.0532, 11.6289, 12.6638**.




A 20% lighter version of the original color is **27.0669, 31.9905, 44.7926**, and **2.8713, 3.8185, 6.8890** is the 20% darker color. If you saturate the color by 10%, you get **9.9225, 12.4286, 20.2886**, and if you desaturate by 10%, it is **11.9463, 14.2822, 20.5397**.

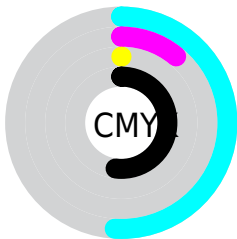
Distribution







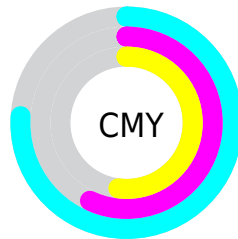
-  Red (24%)
-  Green (43%)
-  Blue (48%)






-  Red (24%)
-  Yellow (34%)
-  Blue (48%)



-  Cyan (51%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (76%)
-  Magenta (57%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8450, 13.3031, 20.4085 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 10.8450, 13.3031, 20.4085 by changing the saturation by 10% instead.

■ 10.8450, 13.3031,
20.4085

■ 10.8450, 13.3031,
20.4085

■ 190.5314,
212.8512, 266.7951

■ 6.0292, 7.6376,
12.5053

■ 27.0087, 31.8473,
44.9689

■ 2.9037, 3.8639,
6.9621

■ 39.0873, 45.4947,
62.4633

■ 1.1030, 1.5977,
3.3603

■ 54.3176, 62.5716,
83.9918

■ 0.0277, 0.3561,
1.2814

■ 73.0649, 83.4622,
109.9729

■ 0.0000, 0.0000,
0.0465

■ 95.6946, 108.5512,
140.8253

■ 0.0000, 0.0000,
0.0000

■ 122.5720,

138.2227, 176.9674

154.0625,
172.8612, 218.8178

■ 10.8450, 13.3031,
20.4085

■ 10.8450, 13.3031,
20.4085

■ 9.9225, 12.4286,
20.2886

■ 11.9463, 14.2822,
20.5397

■ 9.1655, 11.6508,
20.1783

■ 13.2359, 15.3699,
20.6817

■ 8.5611, 10.9633,
20.0775

■ 14.7241, 16.5720,
20.8352

■ 8.0937, 10.3579,
19.9853

■ 16.4201, 17.8933,
21.0009

■ 7.7343, 9.8480,
19.9058

■ 18.3325, 19.3383,
21.1790

■ 20.4695, 20.9114,
21.3700

■ 22.8387, 22.6165,
21.5743

■ 25.4474, 24.4576,
21.7921

■ 28.3025, 26.4382,
22.0240

Harmonies

Analogous

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



10.2557, 13.3031, 16.4113



10.8450, 13.3031, 20.4085



11.9378, 13.3031, 23.0327

Triad

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



10.8450, 13.3031, 20.4085



15.3545, 13.3031, 16.6463



12.0102, 13.3031, 8.3265

Complementary

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



10.8450, 13.3031, 20.4085



11.2245, 9.2293, 5.4653

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.



13.3780, 13.3031, 8.3664



10.8450, 13.3031, 20.4085



15.3775, 13.3031, 12.7153

Square

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



10.8450, 13.3031, 20.4085



14.5716, 13.3031, 20.6071



14.6321, 13.3031, 9.8350



10.8947, 13.3031, 9.7139

Rectangle

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



10.8450, 13.3031, 20.4085



12.8362, 13.3031, 23.3986



14.6321, 13.3031, 9.8350



12.4541, 13.3031, 8.1825

Sweetspot

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



10.8454, 13.3036, 20.4088



27.4853, 30.3964, 36.8114



10.0062, 15.3532, 8.6361



6.1703, 6.8610, 8.4058



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.8454, 13.3036, 20.4088



17.2167, 21.6276, 35.6600



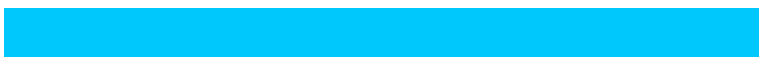
8.1440, 7.9007, 19.5083



4.0391, 4.3766, 5.0751



8.1369, 10.3562, 20.9554



38.1853, 48.1433, 99.7498

Inverse Universe

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



12.4026, 8.4739, 15.4505



20.4031, 12.5190, 25.3401



13.7321, 14.2445, 6.3011



4.1202, 4.0638, 4.8307



10.6904, 5.2523, 12.1927



50.6773, 24.9273, 56.4902

Previews

White Background



This preview shows how the XYZ color 10.8450, 13.3031, 20.4085 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 10.8450, 13.3031, 20.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

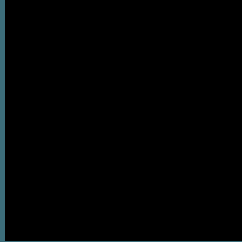
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8450, 13.3031, 20.4085

Background



This preview shows how black text looks on a background with the XYZ color 10.8450, 13.3031, 20.4085.



This preview shows how white text looks on a background with the XYZ color 10.8450, 13.3031,

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

10.8450, 13.3031, 20.4085

Protanopia

13.0102, 13.2444, 18.7003

Deuteranopia

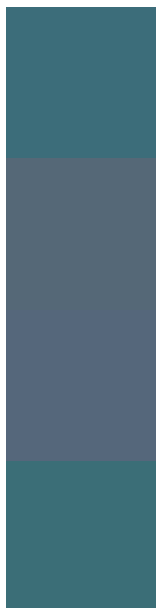
13.3555, 13.0882, 20.8912



Tritanopia

10.6496, 13.3897, 19.1627

Trichromacy



Original Color

10.8450, 13.3031, 20.4085

Protanomaly

12.0264, 13.1638, 19.3598

Deuteranomaly

12.1717, 13.0619, 20.6186

Tritanomaly

10.7093, 13.4136, 19.4774

Monochromacy



Original Color

10.8450, 13.3031, 20.4085

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7708, 12.1663, 15.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8450, 13.3031, 20.4085 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(60, 109, 122)` looks like.

```
.text, #text, p{  
    color:rgb(60, 109, 122)  
}
```

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(60, 109, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 109, 122) }
```

Border

The CSS property to change the border of an element to XYZ 10.8450, 13.3031, 20.4085 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(60, 109, 122) }
```


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

```
.border{ border-color:rgb(60, 109, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 109, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 109, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 109, 122);  
box-shadow:4px 4px 4px 4px rgb(60, 109,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8450, 13.3031, 20.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 109, 122) }
```

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

```
.background{ background-color: rgb(60, 109,  
122) }
```

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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