

# Converting Colors

XYZ(17.1024, 20.8877, 31.3484)

Have a look what the booklet for  
XYZ(17.1024, 20.8877, 31.3484)  
contains.

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# Color

**XYZ(17.0123, 20.8080,  
31.1367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4E8694
RGB	78, 134, 148
RGB Percent	31%, 53%, 58%
CMY	0.6941, 0.4745, 0.4196
CMYK	0.47, 0.09, 0.00, 0.42
HSL	192°, 31%, 44%
HSV	192°, 47%, 58%
XYZ	17.0123, 20.8080, 31.1367
YIQ	118.8520, -37.8700, -7.5180

# Conversions

## Conversions Part 2

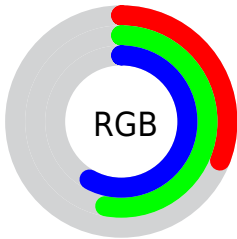
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 109, 148
Decimal	5146260
CIE Lab	52.74, -14.51, -13.25
CIE LCh	53, 19.647, 222.408
Yxy	20.8080, 0.2467, 0.3018
Android (android.graphics.Color)	4283336340 (0xFF4E8694)
YUV	118.8520, 14.3700, -35.8272
Hunter-Lab	45.6158, -13.2565, -8.5395

# Details

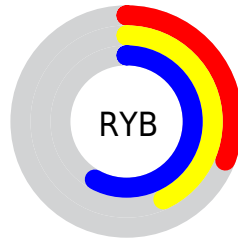
The XYZ color **17.0123, 20.8080, 31.1367** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4155, 14.5008, 9.0894**, and the grayscale version is **17.4530, 18.3619, 19.9961**.

A 20% lighter version of the original color is **37.7911, 44.6302, 62.4998**, and **5.6589, 7.3743, 12.4344** is the 20% darker color. If you saturate the color by 10%, you get **15.5303, 19.4456, 30.9522**, and if you desaturate by 10%, it is **18.7800, 22.3356, 31.3388**.

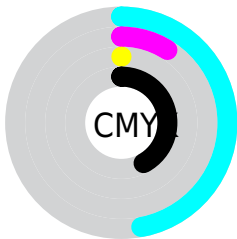
# Distribution



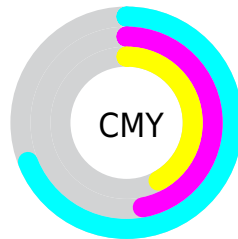
- Red (31%)
- Green (53%)
- Blue (58%)



- Red (31%)
- Yellow (43%)
- Blue (58%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (42%)



- Cyan (69%)
- Magenta (47%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0123, 20.8080, 31.1367 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 17.0123, 20.8080, 31.1367 by changing the saturation by 10% instead.



■ 17.0123, 20.8080,  
31.1367

■ 17.0123, 20.8080,  
31.1367

■ 228.3981,  
256.2564, 321.5383

■ 10.3386, 12.9837,  
20.4436

■ 37.8904, 44.7678,  
62.5373

■ 5.6880, 7.4173,  
12.5307

■ 52.8254, 61.6721,  
84.0820

■ 2.6952, 3.7244,  
6.9793

■ 71.2450, 82.3718,  
110.0809

■ 0.9947, 1.5206,  
3.3709

■ 93.5145, 107.2514,  
140.9526

■ 0.0000, 0.3032,  
1.2870

■ 119.9992,  
136.6953, 177.1156

■ 0.0000, 0.0000,  
0.0511

151.0644,

■ 0.0000, 0.0000,

171.0878, 218.9886

0.0000

187.0756,  
210.8134, 266.9899

■ 17.0123, 20.8080,  
31.1367

■ 17.0123, 20.8080,  
31.1367

■ 15.5303, 19.4456,  
30.9522

■ 18.7800, 22.3356,  
31.3388

■ 14.3133, 18.2362,  
30.7829

■ 20.8483, 24.0349,  
31.5577

■ 13.3412, 17.1698,  
30.6283

■ 23.2334, 25.9147,  
31.7949

■ 12.5896, 16.2337,  
30.4872

■ 25.9499, 27.9827,  
32.0509

■ 12.0165, 15.4060,  
30.3577

■ 29.0111, 30.2461,  
32.3264

■ 11.8713, 15.1900,  
30.3236

■ 32.4299, 32.7114,  
32.6221

■ 36.2184, 35.3851,  
32.9385

■ 40.3882, 38.2733,  
33.2762

■ 44.9502, 41.3817,  
33.6357

# Harmonies

## Analogous

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



16.1784, 20.8080, 25.1648



17.0123, 20.8080, 31.1367



18.6119, 20.8080, 35.1839

# Triad

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



17.0123, 20.8080, 31.1367



23.7698, 20.8080, 26.2354



18.9440, 20.8080, 13.3373

# Complementary

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



17.0123, 20.8080, 31.1367



17.4155, 14.5008, 9.0894

# 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.



20.9905, 20.8080, 13.5235



17.0123, 20.8080, 31.1367



23.8741, 20.8080, 20.3204

# Square

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



17.0123, 20.8080, 31.1367



22.5512, 20.8080, 32.0360



22.8269, 20.8080, 15.8752



17.2409, 20.8080, 15.3135



# Rectangle

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



17.0123, 20.8080, 31.1367



19.9432, 20.8080, 35.8818



22.8269, 20.8080, 15.8752



19.6125, 20.8080, 13.1602

# Sweetspot

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



17.0129, 20.8088, 31.1372



42.3764, 46.7895, 56.2324



15.6135, 23.5525, 13.5837



9.4652, 10.5208, 12.8167



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



17.0129, 20.8088, 31.1372



27.2035, 34.1203, 54.5867



13.0610, 12.9049, 29.8199



5.8666, 6.3672, 7.3895



10.1591, 13.0130, 25.9074



0.1445, 0.1995, 0.3238



# Inverse Universe

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



19.2408, 13.4666, 24.1403



31.7877, 20.0607, 39.9540



21.0280, 21.7257, 10.2936



5.9861, 5.8895, 7.0331



13.2549, 6.5070, 15.3553

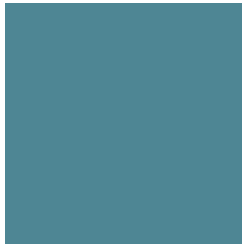


0.1724, 0.0837, 0.2414



# Previews

## White Background



This preview shows how the XYZ color 17.0123, 20.8080, 31.1367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

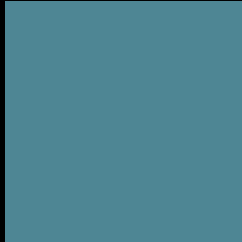
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 17.0123, 20.8080, 31.1367 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 17.0123, 20.8080, 31.1367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.0123, 20.8080, 31.1367.



This preview shows how white text looks on a background with the XYZ color 17.0123, 20.8080,



# 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

17.0123, 20.8080, 31.1367

### Protanopia

20.2585, 20.5793, 28.4956

### Deuteranopia

21.0454, 20.7279, 31.7458



## Tritanopia

16.6965, 20.6723, 29.8982

# Trichromacy



## Original Color

17.0123, 20.8080, 31.1367

## Protanomaly

18.8166, 20.5778, 29.3657

## Deuteranomaly

19.1985, 20.5368, 31.3859

## Tritanomaly

16.7740, 20.7033, 30.3062

# Monochromacy



## Original Color

17.0123, 20.8080, 31.1367

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

16.9458, 18.9701, 23.8875

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.0123, 20.8080, 31.1367 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(78, 134, 148)` looks like.

```
.text, #text, p{  
    color:rgb(78, 134, 148)  
}
```

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(78, 134, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 134, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 17.0123, 20.8080, 31.1367 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(78, 134, 148) }
```



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

```
.border{ border-color:rgb(78, 134, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 134, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 134, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 134, 148);  
box-shadow:4px 4px 4px 4px rgb(78, 134,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.0123, 20.8080, 31.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 134, 148) }
```

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

```
.background{ background-color: rgb(78, 134,  
148) }
```

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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