

Converting Colors

XYZ(13.0454, 15.7255, 20.8903)

Have a look what the booklet for
XYZ(13.0454, 15.7255, 20.8903)
contains.

XYZ(13.0160, 15.7474, 20.7659)	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(13.0160, 15.7474,
20.7659)**

Conversions

Conversions Part 1

Format	Color
Hex	4E757A
RGB	78, 117, 122
RGB Percent	31%, 46%, 48%
CMY	0.6941, 0.5412, 0.5216
CMYK	0.36, 0.04, 0.00, 0.52
HSL	187°, 22%, 39%
HSV	187°, 36%, 48%
XYZ	13.0160, 15.7474, 20.7659
YIQ	105.9090, -24.8490, -6.7130

Conversions

Conversions Part 2

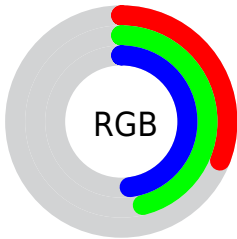
Format	Color
R_{YB}	78, 99, 122
Decimal	5141882
CIE _{Lab}	46.64, -12.28, -7.12
CIE _{LCh}	47, 14.199, 210.096
Yxy	15.7474, 0.2628, 0.3179
Android (android.graphics.Color)	4283331962 (0xFF4E757A)
YUV	105.9090, 7.9329, -24.4762
Hunter-Lab	39.6830, -10.8973, -3.2480

Details

The XYZ color **13.0160, 15.7474, 20.7659** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.4946, 10.8743, 8.6484**, and the grayscale version is **13.6589, 14.3702, 15.6491**.

A 20% lighter version of the original color is **30.8812, 36.0991, 45.3846**, and **3.8374, 4.9985, 7.0659** is the 20% darker color. If you saturate the color by 10%, you get **11.9476, 14.9590, 20.6703**, and if you desaturate by 10%, it is **14.2733, 16.6374, 20.8717**.

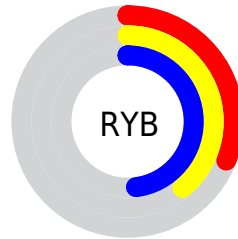
Distribution



Red (31%)

Green (46%)

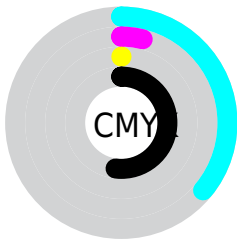
Blue (48%)



Red (31%)

Yellow (39%)

Blue (48%)

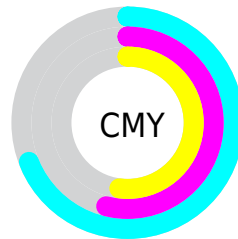


Cyan (36%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (69%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0160, 15.7474, 20.7659 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 13.0160, 15.7474, 20.7659 by changing the saturation by 10% instead.

■ 13.0160, 15.7474,
20.7659

■ 13.0160, 15.7474,
20.7659

204.6557,
227.8465, 268.7718

■ 7.5166, 9.3456,
12.7634

■ 30.9336, 36.1591,
45.5733

■ 3.8364, 4.9673,
7.1370

■ 44.0825, 50.9378,
63.2153

■ 1.6100, 2.2281,
3.4682

■ 60.5121, 69.2776,
84.9076

■ 0.3989, 0.7352,
1.3384

■ 80.5875, 91.5628,
111.0687

■ 0.0000, 0.0000,
0.0929

■ 104.6742,
118.1780, 142.1171

■ 0.0000, 0.0000,
0.0000

133.1376,

149.5074, 178.4714

166.3430,
185.9354, 220.5501

■ 13.0160, 15.7474,
20.7659

■ 13.0160, 15.7474,
20.7659

■ 11.9476, 14.9590,
20.6703

■ 14.2733, 16.6374,
20.8717

■ 11.0562, 14.2651,
20.5833

■ 15.7274, 17.6322,
20.9871

■ 10.3312, 13.6604,
20.5048

■ 17.3878, 18.7368,
21.1128

■ 9.7599, 13.1384,
20.4342

■ 19.2626, 19.9556,
21.2492

■ 9.3278, 12.6918,
20.3708

■ 21.3599, 21.2927,
21.3967

■ 9.0082, 12.3065,
20.3133

■ 23.6869, 22.7518,
21.5557

■ 8.8903, 12.1600,
20.2912

■ 26.2509, 24.3367,
21.7265

■ 29.0586, 26.0509,
21.9094

■ 32.1165, 27.8978,
22.1047

Harmonies

Analogous

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



12.7281, 15.7474, 17.1576



13.0160, 15.7474, 20.7659



13.8208, 15.7474, 23.7020

Triad

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



13.0160, 15.7474, 20.7659



17.1091, 15.7474, 20.7435



14.9635, 15.7474, 11.2337

Complementary

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



13.0160, 15.7474, 20.7659



12.4946, 10.8743, 8.6484

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.



16.1758, 15.7474, 11.9267



13.0160, 15.7474, 20.7659



17.4551, 15.7474, 17.1349

Square

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



13.0160, 15.7474, 20.7659



16.1830, 15.7474, 23.6879



17.1048, 15.7474, 13.9737



13.8143, 15.7474, 11.9356

Rectangle

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



13.0160, 15.7474, 20.7659



14.5650, 15.7474, 24.7081



17.1048, 15.7474, 13.9737



15.3772, 15.7474, 11.3099

Sweetspot

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



13.0165, 15.7480, 20.7663



29.0246, 31.9280, 37.0259



11.6400, 16.1544, 10.5676



6.5674, 7.2543, 8.4608



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.



13.0165, 15.7480, 20.7663



21.3745, 26.5847, 36.3977



10.8015, 11.3181, 20.0279



4.0701, 4.4384, 5.0854



9.3562, 12.7948, 21.3618



44.2359, 60.2444, 101.7666

Inverse Universe

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



13.9617, 10.8711, 18.1928



23.3217, 16.8255, 31.0319



14.3922, 14.6693, 9.2810



4.1358, 4.0701, 4.9129



11.3059, 5.4985, 15.4336



53.7314, 26.1489, 72.5726

Previews

White Background



This preview shows how the XYZ color 13.0160, 15.7474, 20.7659 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 13.0160, 15.7474, 20.7659 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 13.0160, 15.7474, 20.7659

Background



This preview shows how black text looks on a background with the XYZ color 13.0160, 15.7474, 20.7659.



This preview shows how white text looks on a background with the XYZ color 13.0160, 15.7474,

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

13.0160, 15.7474, 20.7659

Protanopia

15.1099, 15.5366, 19.0321

Deuteranopia

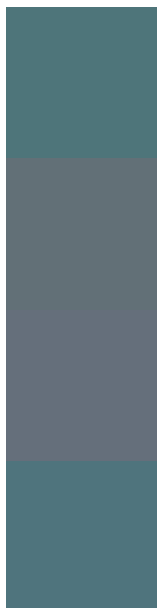
15.8352, 15.5480, 21.2352



Tritanopia

13.2357, 15.6594, 22.0636

Trichromacy



Original Color

13.0160, 15.7474, 20.7659

Protanomaly

14.1609, 15.5169, 19.7015

Deuteranomaly

14.6264, 15.5656, 20.9725

Tritanomaly

13.1715, 15.6337, 21.7254

Monochromacy



Original Color

13.0160, 15.7474, 20.7659

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3244, 14.8085, 17.4853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0160, 15.7474, 20.7659 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, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(78, 117, 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(78, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 117, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.0160, 15.7474, 20.7659 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, 117, 122) }
```


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

```
.border{ border-color:rgb(78, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(78, 117,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0160, 15.7474, 20.7659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 117, 122) }
```

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

```
.background{ background-color: rgb(78, 117,  
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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