

Converting Colors

XYZ(13.0849, 15.3956, 20.8246)

Have a look what the booklet for
XYZ(13.0849, 15.3956, 20.8246)
contains.

XYZ(13.1233, 15.4604, 20.7048)	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(13.1233, 15.4604,
20.7048)**

Conversions

Conversions Part 1

Format	Color
Hex	52737A
RGB	82, 115, 122
RGB Percent	32%, 45%, 48%
CMY	0.6784, 0.5490, 0.5216
CMYK	0.33, 0.06, 0.00, 0.52
HSL	190°, 20%, 40%
HSV	190°, 33%, 48%
XYZ	13.1233, 15.4604, 20.7048
YIQ	105.9310, -21.9150, -4.8190

Conversions

Conversions Part 2

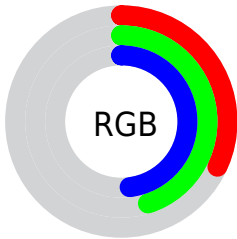
Format	Color
R_{YB}	82, 100, 122
Decimal	5403514
CIE _{Lab}	46.26, -9.93, -7.67
CIE _{LCh}	46, 12.544, 217.678
Yxy	15.4604, 0.2663, 0.3137
Android (android.graphics.Color)	4283593594 (0xFF52737A)
YUV	105.9310, 7.9220, -20.9875
Hunter-Lab	39.3197, -9.2336, -3.6969

Details

The XYZ color **13.1233, 15.4604, 20.7048** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1218, 11.8919, 9.5870**, and the grayscale version is **13.6644, 14.3760, 15.6555**.

A 20% lighter version of the original color is **31.1316, 35.6800, 45.2905**, and **3.8694, 4.8354, 7.0327** is the 20% darker color. If you saturate the color by 10%, you get **11.9148, 14.4805, 20.5796**, and if you desaturate by 10%, it is **14.5270, 16.5500, 20.8414**.

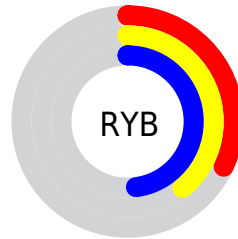
Distribution



Red (32%)

Green (45%)

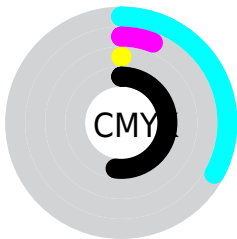
Blue (48%)



Red (32%)

Yellow (39%)

Blue (48%)

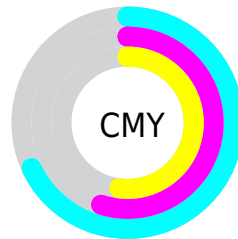


Cyan (33%)

Magenta (6%)

Yellow (0%)

Black (52%)



Cyan (68%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1233, 15.4604, 20.7048 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 13.1233, 15.4604, 20.7048 by changing the saturation by 10% instead.

■ 13.1233, 15.4604,
20.7048

■ 13.1233, 15.4604,
20.7048

205.3280,
226.1362, 268.4348

■ 7.5911, 9.1431,
12.7193

■ 31.1246, 35.6589,
45.4701

■ 3.8840, 4.8347,
7.1071

■ 44.3243, 50.3088,
63.0870

■ 1.6367, 2.1506,
3.4497

■ 60.8106, 68.5052,
84.7513

■ 0.4162, 0.6928,
1.3286

■ 80.9489, 90.6323,
110.8818

■ 0.0000, 0.0000,
0.0850

■ 105.1044,
117.0746, 141.8968

■ 0.0000, 0.0000,
0.0000

133.6425,

148.2164, 178.2149

166.9286,
184.4421, 220.2548

■ 13.1233, 15.4604,
20.7048

■ 13.1233, 15.4604,
20.7048

■ 11.9148, 14.4805,
20.5796

■ 14.5270, 16.5500,
20.8414

■ 10.8901, 13.6034,
20.4643

■ 16.1339, 17.7524,
20.9888

■ 10.0387, 12.8238,
20.3587

■ 17.9531, 19.0727,
21.1478

■ 9.3485, 12.1356,
20.2623

■ 19.9928, 20.5153,
21.3187

■ 8.8056, 11.5314,
20.1743

■ 22.2606, 22.0840,
21.5020

■ 8.3935, 11.0027,
20.0939

■ 24.7640, 23.7828,
21.6979

■ 8.1329, 10.6453,
20.0387

■ 27.5100, 25.6154,
21.9069

■ 30.5052, 27.5852,
22.1292

■ 33.7562, 29.6956,
22.3653

Harmonies

Analogous

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



12.7456, 15.4604, 17.6347



13.1233, 15.4604, 20.7048



13.9258, 15.4604, 22.9046

Triad

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



13.1233, 15.4604, 20.7048



16.6845, 15.4604, 19.1762



14.4210, 15.4604, 11.6362

Complementary

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



13.1233, 15.4604, 20.7048



13.1218, 11.8919, 9.5870

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.



15.4913, 15.4604, 11.9432



13.1233, 15.4604, 20.7048



16.8329, 15.4604, 16.0575

Square

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



13.1233, 15.4604, 20.7048



15.9905, 15.4604, 21.9500



16.3867, 15.4604, 13.4780



13.4707, 15.4604, 12.5815

Rectangle

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



13.1233, 15.4604, 20.7048



14.6113, 15.4604, 23.4459



16.3867, 15.4604, 13.4780



14.7783, 15.4604, 11.5987

Sweetspot

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



13.1238, 15.4610, 20.7052



29.1623, 31.8024, 36.9944



12.2288, 16.4289, 11.9051



6.5888, 7.2137, 8.4518



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.



13.1238, 15.4610, 20.7052



21.5327, 25.9471, 36.2663



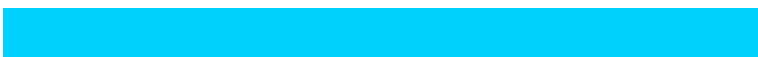
11.1153, 11.4441, 20.0357



4.0503, 4.3988, 5.0788



8.5573, 11.1970, 21.0955



40.2654, 52.3034, 100.4431

Inverse Universe

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



14.1383, 11.4105, 17.6775



23.6343, 17.8420, 29.9300



14.9825, 15.6135, 10.2072



4.1258, 4.0661, 4.8603



10.9027, 5.3372, 13.3102



51.7272, 25.3472, 62.0190

Previews

White Background



This preview shows how the XYZ color 13.1233, 15.4604, 20.7048 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 13.1233, 15.4604, 20.7048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

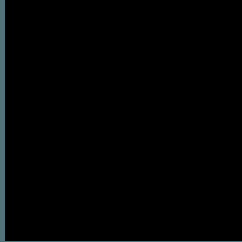
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1233, 15.4604, 20.7048

Background



This preview shows how black text looks on a background with the XYZ color 13.1233, 15.4604, 20.7048.



This preview shows how white text looks on a background with the XYZ color 13.1233, 15.4604,

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

13.1233, 15.4604, 20.7048

Protanopia

15.0453, 15.4965, 19.3377

Deuteranopia

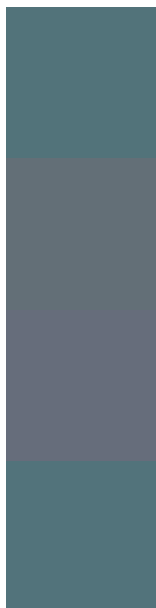
15.6022, 15.2740, 21.1946



Tritanopia

13.2485, 15.5105, 21.3643

Trichromacy



Original Color

13.1233, 15.4604, 20.7048

Protanomaly

14.1598, 15.3534, 19.6700

Deuteranomaly

14.5233, 15.1921, 20.9058

Tritanomaly

13.1856, 15.4854, 21.0329

Monochromacy



Original Color

13.1233, 15.4604, 20.7048

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3230, 14.6485, 17.4545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1233, 15.4604, 20.7048 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(82, 115, 122) looks like.

```
.text, #text, p{  
    color:rgb(82, 115, 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(82, 115, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 115, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.1233, 15.4604, 20.7048 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(82, 115, 122) }
```


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

```
.border{ border-color:rgb(82, 115, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 115, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 115, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 115, 122);  
box-shadow:4px 4px 4px 4px rgb(82, 115,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1233, 15.4604, 20.7048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 115, 122) }
```

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

```
.background{ background-color: rgb(82, 115,  
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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