

Converting Colors

XYZ(12.1119, 13.3890, 14.9316)

Have a look what the booklet for
XYZ(12.1119, 13.3890, 14.9316)
contains.

XYZ(12.1664, 13.4823, 15.0578)	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(12.1664, 13.4823,
15.0578)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6968
RGB	94, 105, 104
RGB Percent	37%, 41%, 41%
CMY	0.6314, 0.5882, 0.5922
CMYK	0.10, 0.00, 0.01, 0.59
HSL	175°, 6%, 39%
HSV	175°, 10%, 41%
XYZ	12.1664, 13.4823, 15.0578
YIQ	101.5970, -6.2350, -2.6430

Conversions

Conversions Part 2

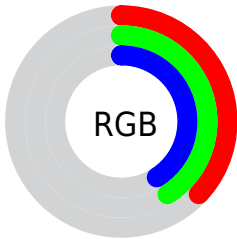
Format	Color
R_{YB}	94, 100, 105
Decimal	6187368
CIE Lab	43.48, -4.40, -0.87
CIE LCh	43, 4.483, 191.222
Yxy	13.4823, 0.2989, 0.3312
Android (android.graphics.Color)	4284377448 (0xFF5E6968)
YUV	101.5970, 1.1847, -6.6626
Hunter-Lab	36.7183, -5.1119, 1.3885

Details

The XYZ color **12.1664, 13.4823, 15.0578** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8945, 11.8354, 12.4847**, and the grayscale version is **12.5228, 13.1749, 14.3475**.

A 20% lighter version of the original color is **29.3065, 32.0728, 35.6564**, and **3.4705, 3.9499, 4.4504** is the 20% darker color. If you saturate the color by 10%, you get **11.1139, 12.9457, 14.7568**, and if you desaturate by 10%, it is **13.3667, 14.0958, 15.3692**.

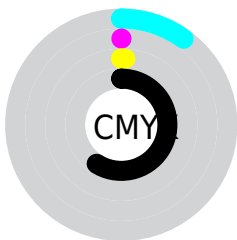
Distribution



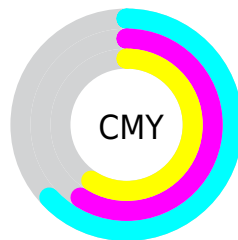
- Red (37%)
- Green (41%)
- Blue (41%)



- Red (37%)
- Yellow (39%)
- Blue (41%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (59%)



- Cyan (63%)
- Magenta (59%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1664, 13.4823, 15.0578 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 12.1664, 13.4823, 15.0578 by changing the saturation by 10% instead.

■ 12.1664, 13.4823,
15.0578

■ 12.1664, 13.4823,
15.0578

199.2513,
213.9860, 235.3686

■ 6.9301, 7.7615,
8.7129

■ 29.4120, 32.1676,
35.6983

■ 3.4644, 3.9427,
4.4601

■ 42.1521, 45.9008,
50.8309

■ 1.4038, 1.6416,
1.8810

■ 58.1241, 63.0737,
69.7299

■ 0.2589, 0.3854,
0.4806

■ 77.6935, 84.0706,
92.8138

■ 0.0000, 0.0000,
0.0000

101.2255,
109.2758, 120.5010

129.0856,

139.0739, 153.2102

161.6391,
173.8491, 191.3599

■ 12.1664, 13.4823,
15.0578

■ 12.1664, 13.4823,
15.0578

■ 11.1139, 12.9457,
14.7568

■ 13.3667, 14.0958,
15.3692

■ 10.2022, 12.4812,
14.4649

■ 14.7193, 14.7874,
15.6903

■ 9.4255, 12.0862,
14.1822

■ 16.2297, 15.5603,
16.0217

■ 8.7768, 11.7572,
13.9083

■ 17.9030, 16.4170,
16.3637

■ 8.2491, 11.4905,
13.6430

■ 19.7439, 17.3602,
16.7163

■ 7.8340, 11.2818,
13.3857

■ 21.7571, 18.3921,
17.0800

■ 7.5227, 11.1265,
13.1361

■ 23.9470, 19.5149,
17.4549

■ 7.3046, 11.0192,
12.8937

■ 26.3177, 20.7310,
17.8411

■ 7.1376, 10.9379,
12.6674

■ 28.8735, 22.0424,
18.2390

Harmonies

Analogous

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



12.1886, 13.4823, 14.0689



12.1664, 13.4823, 15.0578



12.3155, 13.4823, 15.9855

Triad

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



12.1664, 13.4823, 15.0578



13.2626, 13.4823, 16.1761



13.0321, 13.4823, 12.9316

Complementary

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



12.1664, 13.4823, 15.0578



11.8945, 11.8354, 12.4847

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.



13.3268, 13.4823, 13.4475



12.1664, 13.4823, 15.0578



13.4616, 13.4823, 15.3084

Square

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



12.1664, 13.4823, 15.0578



12.9458, 13.4823, 16.6504



13.4853, 13.4823, 14.3084



12.6841, 13.4823, 12.8714

Rectangle

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



12.1664, 13.4823, 15.0578



12.4936, 13.4823, 16.4328



13.4853, 13.4823, 14.3084



13.1409, 13.4823, 13.0563

Sweetspot

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



12.1668, 13.4829, 15.0581



23.3471, 24.9394, 27.3722



11.8021, 13.3501, 12.5448



5.4339, 5.8241, 6.4030



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.1668, 13.4829, 15.0581



21.2123, 23.8493, 26.8041



11.7813, 12.6300, 15.1821



3.1705, 3.4874, 3.8817



9.0302, 13.8462, 16.0022



45.8457, 70.4854, 80.6573

Inverse Universe

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



11.8945, 11.8354, 12.4847



20.6015, 20.1534, 21.0315



12.2518, 12.6223, 12.3807



3.1099, 3.1208, 3.3092



7.4351, 3.8261, 0.6536



37.7340, 19.4356, 2.5363

Previews

White Background



This preview shows how the XYZ color 12.1664, 13.4823, 15.0578 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 12.1664, 13.4823, 15.0578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

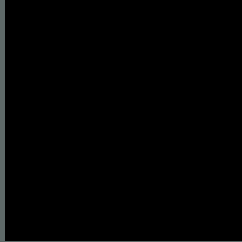
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

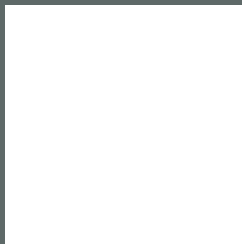
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1664, 13.4823, 15.0578

Background



This preview shows how black text looks on a background with the XYZ color 12.1664, 13.4823, 15.0578.



This preview shows how white text looks on a background with the XYZ color 12.1664, 13.4823,

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

12.1664, 13.4823, 15.0578

Protanopia

12.8586, 13.4051, 14.4801

Deuteranopia

13.5672, 13.3231, 15.2212



Tritanopia

12.5943, 13.5034, 17.2719

Trichromacy



Original Color

12.1664, 13.4823, 15.0578

Protanomaly

12.5540, 13.3891, 14.7547

Deuteranomaly

13.0292, 13.3305, 15.2509

Tritanomaly

12.4299, 13.4377, 16.4066

Monochromacy



Original Color

12.1664, 13.4823, 15.0578

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4440, 13.3324, 14.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1664, 13.4823, 15.0578 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(94, 105, 104) looks like.

```
.text, #text, p{  
    color:rgb(94, 105, 104)  
}
```

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(94, 105, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 105, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.1664, 13.4823, 15.0578 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(94, 105, 104) }
```


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

```
.border{ border-color:rgb(94, 105, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 105, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 105, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 105, 104);  
box-shadow:4px 4px 4px 4px rgb(94, 105,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1664, 13.4823, 15.0578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 105, 104) }
```

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

```
.background{ background-color: rgb(94, 105,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor