

Converting Colors

XYZ(12.4487, 13.1235, 17.1417)

Have a look what the booklet for
XYZ(12.4487, 13.1235, 17.1417)
contains.

XYZ(12.4999, 13.1594, 17.2104)	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(12.4999, 13.1594,
17.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	606670
RGB	96, 102, 112
RGB Percent	38%, 40%, 44%
CMY	0.6235, 0.6000, 0.5608
CMYK	0.14, 0.09, 0.00, 0.56
HSL	217°, 8%, 41%
HSV	217°, 14%, 44%
XYZ	12.4999, 13.1594, 17.2104
YIQ	101.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

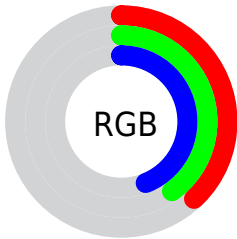
Format	Color
R_{YB}	96, 100, 112
Decimal	6317680
CIE Lab	43.00, -0.05, -6.41
CIE LCh	43, 6.409, 269.532
Yxy	13.1594, 0.2916, 0.3070
Android (android.graphics.Color)	4284507760 (0xFF606670)
YUV	101.3460, 5.2524, -4.6884
Hunter-Lab	36.2759, -1.9755, -2.7359

Details

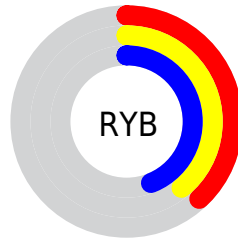
The XYZ color **12.4999, 13.1594, 17.2104** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9476, 14.5973, 13.1491**, and the grayscale version is **12.4475, 13.0958, 14.2613**.

A 20% lighter version of the original color is **30.1247, 31.6658, 39.6463**, and **3.6070, 3.7807, 5.3901** is the 20% darker color. If you saturate the color by 10%, you get **10.7455, 11.2769, 16.9397**, and if you desaturate by 10%, it is **14.4811, 15.2458, 17.5089**.

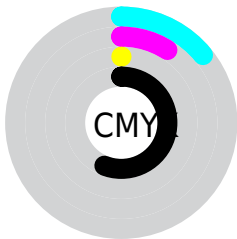
Distribution



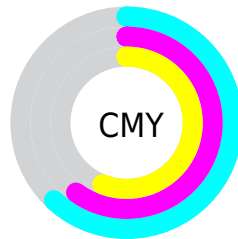
- Red (38%)
- Green (40%)
- Blue (44%)



- Red (38%)
- Yellow (39%)
- Blue (44%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (56%)



- Cyan (62%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4999, 13.1594, 17.2104 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 12.4999, 13.1594, 17.2104 by changing the saturation by 10% instead.

■ 12.4999, 13.1594,
17.2104

■ 12.4999, 13.1594,
17.2104

201.3903,
211.9367, 248.4668

■ 7.1597, 7.5384,
10.2211

■ 30.0114, 31.5899,
39.4828

■ 3.6094, 3.8010,
5.4383

■ 42.9134, 45.1681,
55.6029

■ 1.4836, 1.5629,
2.4434

■ 59.0667, 62.1676,
75.6037

■ 0.3146, 0.3324,
0.8100

■ 78.8366, 82.9726,
99.9037

■ 0.0000, 0.0000,
0.0000

102.5886,
107.9677, 128.9215

130.6880,

137.5371, 163.0756

163.5001,
172.0653, 202.7845

■ 12.4999, 13.1594,
17.2104

■ 12.4999, 13.1594,
17.2104

■ 10.7455, 11.2769,
16.9397

■ 14.4811, 15.2458,
17.5089

■ 9.2082, 9.5900,
16.6951

■ 16.6960, 17.5405,
17.8351

■ 7.8793, 8.0926,
16.4761

■ 19.1525, 20.0501,
18.1900

■ 6.7492, 6.7772,
16.2818

■ 21.8580, 22.7802,
18.5744

■ 5.8073, 5.6361,
16.1112

■ 24.8193, 25.7363,
18.9889

■ 5.0420, 4.6607,
15.9633

■ 28.0432, 28.9235,
19.4342

■ 4.4402, 3.8416,
15.8369

■ 31.5360, 32.3469,
19.9109

■ 3.9821, 3.1659,
15.7306

■ 35.3039, 36.0115,
20.4196

■ 3.7529, 2.8264,
15.6772

■ 39.3530, 39.9219,
20.9610

Harmonies

Analogous

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



12.0343, 13.1594, 16.7914



12.4999, 13.1594, 17.2104



12.9795, 13.1594, 16.8160

Triad

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



12.4999, 13.1594, 17.2104



13.3485, 13.1594, 13.0346



11.7102, 13.1594, 12.9987

Complementary

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



12.4999, 13.1594, 17.2104



13.9476, 14.5973, 13.1491

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.



12.0473, 13.1594, 12.0990



12.4999, 13.1594, 17.2104



12.9932, 13.1594, 12.1187

Square

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



12.4999, 13.1594, 17.2104



13.4772, 13.1594, 14.3505



12.5153, 13.1594, 11.7875



11.5857, 13.1594, 14.3063

Rectangle

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



12.4999, 13.1594, 17.2104



13.2408, 13.1594, 16.1587



12.5153, 13.1594, 11.7875



11.8020, 13.1594, 12.6417

Sweetspot

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



12.5003, 13.1599, 17.2107



25.5060, 26.8522, 30.7685



13.2129, 15.1132, 15.8203



6.0725, 6.3935, 7.3837



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.5003, 13.1599, 17.2107



20.9432, 22.0351, 30.0792



12.1304, 12.1252, 17.0305



3.3106, 3.4865, 4.2527



4.3177, 3.2256, 18.1166



20.7372, 14.5263, 89.9900

Inverse Universe

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



13.2636, 12.7701, 14.3368



22.5557, 21.2484, 23.9994



14.3527, 15.7566, 13.3515



3.4315, 3.4203, 3.7987



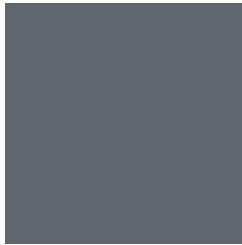
8.1977, 4.1715, 2.8510



40.4472, 20.6242, 12.1529

Previews

White Background



This preview shows how the XYZ color 12.4999, 13.1594, 17.2104 looks on a white background.

Color Contrast Check

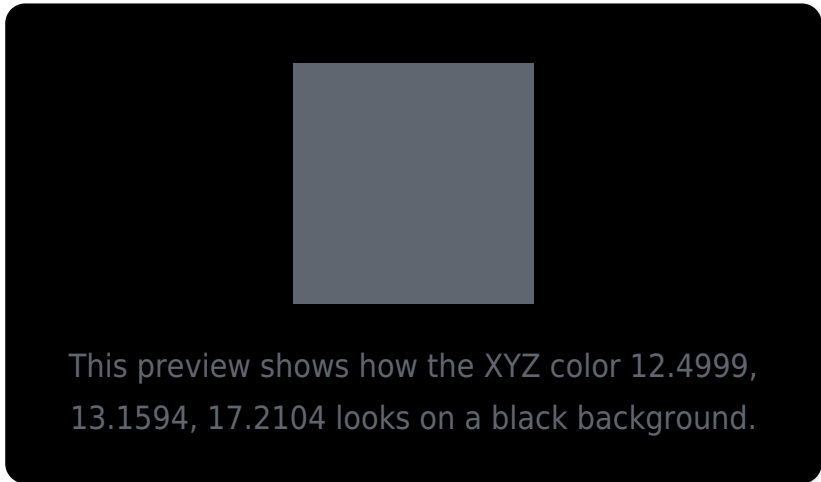
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

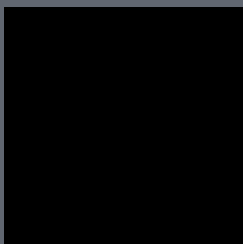
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

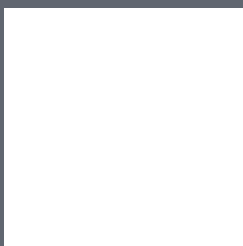
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4999, 13.1594, 17.2104

Background



This preview shows how black text looks on a background with the XYZ color 12.4999, 13.1594, 17.2104.



This preview shows how white text looks on a background with the XYZ color 12.4999, 13.1594,

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

12.4999, 13.1594, 17.2104

Protanopia

12.7785, 13.1644, 16.9064

Deuteranopia

13.3863, 13.1801, 17.4613



Tritanopia

12.3897, 13.1153, 16.6304

Trichromacy



Original Color

12.4999, 13.1594, 17.2104

Protanomaly

12.6685, 13.1077, 16.9013

Deuteranomaly

13.0173, 13.1314, 17.4713

Tritanomaly

12.4445, 13.1372, 16.9188

Monochromacy



Original Color

12.4999, 13.1594, 17.2104

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3491, 12.9799, 15.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4999, 13.1594, 17.2104 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(96, 102, 112) looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 112)  
}
```

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(96, 102, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.4999, 13.1594, 17.2104 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(96, 102, 112) }
```


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

```
.border{ border-color:rgb(96, 102, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 102, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 112);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4999, 13.1594, 17.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 112) }
```

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

```
.background{ background-color: rgb(96, 102,  
112) }
```

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