

Converting Colors

XYZ(11.9883, 13.1889, 14.4426)

Have a look what the booklet for
XYZ(11.9883, 13.1889, 14.4426)
contains.

XYZ(12.0679, 13.2928, 14.5001)	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(12.0679, 13.2928,
14.5001)**

Conversions

Conversions Part 1

Format	Color
Hex	5F6866
RGB	95, 104, 102
RGB Percent	37%, 41%, 40%
CMY	0.6274, 0.5921, 0.6000
CMYK	0.09, 0.00, 0.02, 0.59
HSL	167°, 5%, 39%
HSV	167°, 9%, 41%
XYZ	12.0679, 13.2928, 14.5001
YIQ	101.0810, -4.7220, -2.5300

Conversions

Conversions Part 2

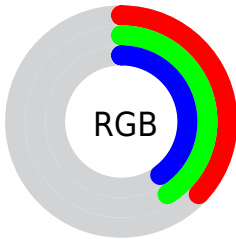
Format	Color
R _Y B	95, 100, 104
Decimal	6252646
CIE Lab	43.20, -3.87, -0.06
CIE LCh	43, 3.873, 180.921
Yxy	13.2928, 0.3028, 0.3335
Android (android.graphics.Color)	4284442726 (0xFF5F6866)
YUV	101.0810, 0.4531, -5.3330
Hunter-Lab	36.4593, -4.7209, 1.9415

Details

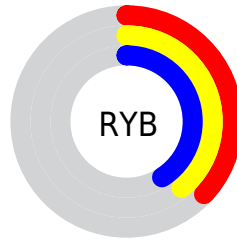
The XYZ color **12.0679, 13.2928, 14.5001** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9593, 11.9909, 12.9940**, and the grayscale version is **12.3906, 13.0359, 14.1960**.

A 20% lighter version of the original color is **29.1482, 31.7623, 34.7315**, and **3.4193, 3.8551, 4.1783** is the 20% darker color. If you saturate the color by 10%, you get **10.9459, 12.7278, 13.8574**, and if you desaturate by 10%, it is **13.3381, 13.9346, 15.1669**.

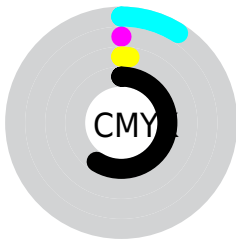
Distribution



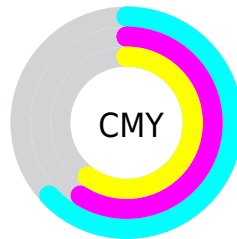
- Red (37%)
- Green (41%)
- Blue (40%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (59%)



- Cyan (63%)
- Magenta (59%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0679, 13.2928, 14.5001 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 12.0679, 13.2928, 14.5001 by changing the saturation by 10% instead.

■ 12.0679, 13.2928,
14.5001

■ 12.0679, 13.2928,
14.5001

198.6150,
212.7858, 231.8558

■ 6.8625, 7.6305,
8.3266

■ 29.2345, 31.8288,
34.7036

■ 3.4218, 3.8594,
4.2139

■ 41.9264, 45.4713,
49.5707

■ 1.3805, 1.5952,
1.7434

■ 57.8444, 62.5426,
68.1727

■ 0.2423, 0.3544,
0.3902

■ 77.3540, 83.4272,
90.9282

■ 0.0000, 0.0000,
0.0000

100.8205,
108.5094, 118.2557

128.6093,

138.1736, 150.5738

161.0857,
172.8043, 188.3010

■ 12.0679, 13.2928,
14.5001

■ 12.0679, 13.2928,
14.5001

■ 10.9459, 12.7278,
13.8574

■ 13.3381, 13.9346,
15.1669

■ 9.9653, 12.2350,
13.2377

■ 14.7608, 14.6542,
15.8575

■ 9.1204, 11.8118,
12.6408

■ 16.3415, 15.4549,
16.5724

■ 8.4046, 11.4548,
12.0662

■ 18.0850, 16.3391,
17.3120

■ 7.8110, 11.1603,
11.5134

■ 19.9960, 17.3093,
18.0767

■ 7.3317, 10.9245,
10.9821

■ 22.0790, 18.3678,
18.8668

■ 6.9580, 10.7428,
10.4715

■ 24.3382, 19.5168,
19.6827

■ 6.6801, 10.6101,
9.9812

■ 26.7779, 20.7583,
20.5245

■ 6.4603, 10.5070,
9.5092

■ 29.4020, 22.0946,
21.3928

Harmonies

Analogous

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



12.1383, 13.2928, 13.6876



12.0679, 13.2928, 14.5001



12.1473, 13.2928, 15.3368

Triad

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



12.0679, 13.2928, 14.5001



12.9323, 13.2928, 15.9335



12.9161, 13.2928, 13.0810

Complementary

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



12.0679, 13.2928, 14.5001



11.9593, 11.9909, 12.9940

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.



13.1344, 13.2928, 13.6434



12.0679, 13.2928, 14.5001



13.1439, 13.2928, 15.2892

Square

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



12.0679, 13.2928, 14.5001



12.6437, 13.2928, 16.1842



13.2184, 13.2928, 14.4471



12.6252, 13.2928, 12.8880

Rectangle

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



12.0679, 13.2928, 14.5001



12.2752, 13.2928, 15.7906



13.2184, 13.2928, 14.4471



13.0005, 13.2928, 13.2320

Sweetspot

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



12.0683, 13.2934, 14.5004



22.3802, 23.9309, 26.0848



11.9567, 13.2743, 12.7587



5.4228, 5.8197, 6.3444



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.



12.0683, 13.2934, 14.5004



20.8341, 23.1507, 25.2523



11.9306, 12.8572, 14.9502



2.8789, 3.1753, 3.4636



7.9153, 12.9297, 11.5815



40.9453, 67.3007, 58.6272

Inverse Universe

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



11.9593, 11.9909, 12.9940



20.6093, 20.4644, 22.1455



12.0867, 12.3932, 12.5818



2.8521, 2.8555, 3.0938



7.2185, 3.7003, 1.2829



37.3665, 19.1866, 5.2074

Previews

White Background



This preview shows how the XYZ color 12.0679, 13.2928, 14.5001 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 12.0679, 13.2928, 14.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

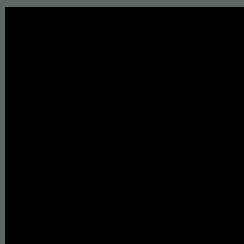
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

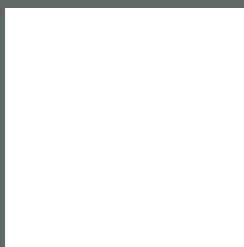
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0679, 13.2928, 14.5001

Background



This preview shows how black text looks on a background with the XYZ color 12.0679, 13.2928, 14.5001.



This preview shows how white text looks on a background with the XYZ color 12.0679, 13.2928,

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

12.0679, 13.2928, 14.5001

Protanopia

12.7116, 13.1900, 14.1879

Deuteranopia

13.4656, 13.2825, 14.6860



Tritanopia

12.5434, 13.3350, 16.9517

Trichromacy



Original Color

12.0679, 13.2928, 14.5001

Protanomaly

12.4672, 13.2090, 14.2044

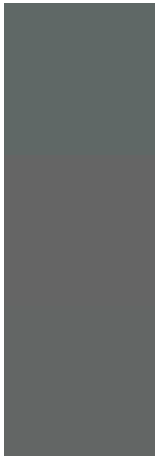
Deuteranomaly

12.9276, 13.2899, 14.7158

Tritanomaly

12.3809, 13.2700, 16.0962

Monochromacy



Original Color

12.0679, 13.2928, 14.5001

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2459, 13.0950, 14.1941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0679, 13.2928, 14.5001 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(95, 104, 102) looks like.

```
.text, #text, p{  
    color:rgb(95, 104, 102)  
}
```

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(95, 104, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 104, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.0679, 13.2928, 14.5001 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(95, 104, 102) }
```


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

```
.border{ border-color:rgb(95, 104, 102) }
```

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

Here you see how a box with a 4 pixel rgb(95, 104, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 104, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 104, 102);  
box-shadow:4px 4px 4px 4px rgb(95, 104,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0679, 13.2928, 14.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 104, 102) }
```

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

```
.background{ background-color: rgb(95, 104,  
102) }
```

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