

Converting Colors

XYZ(13.1705, 18.3513, 28.0477)

Have a look what the booklet for
XYZ(13.1705, 18.3513, 28.0477)
contains.

XYZ(13.1210, 18.2572, 28.0318)	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(13.1210, 18.2572,
28.0318)**

Conversions

Conversions Part 1

Format	Color
Hex	0F838D
RGB	15, 131, 141
RGB Percent	6%, 51%, 55%
CMY	0.9411, 0.4863, 0.4471
CMYK	0.89, 0.07, 0.00, 0.45
HSL	185°, 81%, 31%
HSV	185°, 89%, 55%
XYZ	13.1210, 18.2572, 28.0318
YIQ	97.4560, -72.3460, -21.4820

Conversions

Conversions Part 2

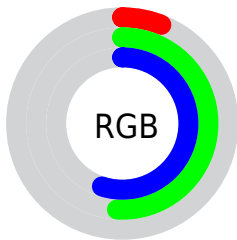
Format	Color
RYB	15, 75, 141
Decimal	1016717
CIELab	49.81, -25.24, -13.77
CIELCh	50, 28.750, 208.621
Yxy	18.2572, 0.2209, 0.3073
Android (android.graphics.Color)	4279206797 (0xFF0F838D)
YUV	97.4560, 21.4672, -72.3139
Hunter-Lab	42.7284, -19.9612, -8.9870

Details

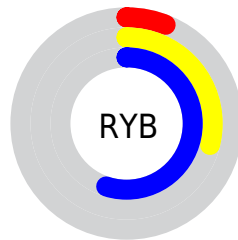
The XYZ color **13.1210, 18.2572, 28.0318** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.4189, 6.3932, 1.0847**, and the grayscale version is **11.4373, 12.0330, 13.1039**.

A 20% lighter version of the original color is **31.1106, 40.3450, 57.7774**, and **4.8308, 6.6402, 10.9246** is the 20% darker color. If you saturate the color by 10%, you get **12.7863, 17.8631, 27.9737**, and if you desaturate by 10%, it is **13.5854, 18.7213, 28.0973**.

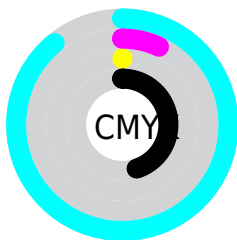
Distribution



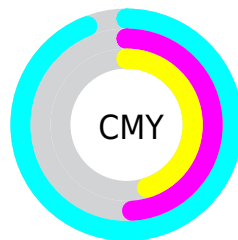
- Red (6%)
- Green (51%)
- Blue (55%)



- Red (6%)
- Yellow (29%)
- Blue (55%)



- Cyan (89%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)



- Cyan (94%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1210, 18.2572, 28.0318 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 13.1210, 18.2572, 28.0318 by changing the saturation by 10% instead.

■ 13.1210, 18.2572,
28.0318

■ 13.1210, 18.2572,
28.0318

■ 205.3136,
242.3168, 306.5356

■ 7.5895, 11.1348,
18.1104

■ 31.1205, 40.4751,
57.5589

■ 3.8830, 6.1576,
10.8590

■ 44.3191, 56.3394,
78.0017

■ 1.6362, 2.9411,
5.8591

■ 60.8042, 75.8864,
102.7887

■ 0.4158, 1.1011,
2.6922

■ 80.9411, 99.5006,
132.3384

■ 0.0000, 0.0000,
0.9395

■ 105.0951,
127.5664, 167.0694

■ 0.0000, 0.0000,
0.0000

■ 133.6317,

160.4680, 207.4003

166.9161,
198.5900, 253.7495

■ 13.1210, 18.2572,
28.0318

■ 13.1210, 18.2572,
28.0318

■ 12.7863, 17.8631,
27.9737

■ 13.5854, 18.7213,
28.0973

■ 12.7652, 17.8379,
27.9700

■ 14.2335, 19.2822,
28.1714

■ 15.0880, 19.9519,
28.2556

■ 16.1677, 20.7401,
28.3508

■ 17.4896, 21.6557,
28.4579

■ 19.0687, 22.7062,
28.5774

■ 20.9191, 23.8991,
28.7101

■ 23.0536, 25.2409,
28.8566

■ 25.4844, 26.7379,
29.0175

Harmonies

Analogous

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



12.5944, 18.2572, 19.5175



13.1210, 18.2572, 28.0318



14.7479, 18.2572, 35.7727

Triad

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



13.1210, 18.2572, 28.0318



22.2588, 18.2572, 28.8315



17.4802, 18.2572, 8.2755

Complementary

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



13.1210, 18.2572, 28.0318



11.4189, 6.3932, 1.0847

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.



20.2480, 18.2572, 9.5673



13.1210, 18.2572, 28.0318



23.1805, 18.2572, 20.2449

Square

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



13.1210, 18.2572, 28.0318



20.0051, 18.2572, 36.3135



22.4090, 18.2572, 13.4834



14.9461, 18.2572, 9.3457

Rectangle

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



13.1210, 18.2572, 28.0318



16.3325, 18.2572, 38.6785



22.4090, 18.2572, 13.4834



18.4149, 18.2572, 8.4398

Sweetspot

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



13.1216, 18.2579, 28.0322



34.6996, 41.0222, 51.2171



9.8811, 19.2153, 4.0207



7.5478, 9.0301, 11.4246



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.1216, 18.2579, 28.0322



22.8030, 31.8303, 50.0699



7.1708, 6.3564, 26.0487



5.5242, 6.0441, 6.9042



11.6446, 16.2752, 25.5048



0.1184, 0.1697, 0.2462

Inverse Universe

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



15.2526, 7.6436, 22.1448



26.8355, 13.0066, 38.6460



14.4314, 12.4181, 2.0888



5.6080, 5.5037, 6.7000



13.6808, 6.6293, 19.7680



0.1343, 0.0648, 0.2077

Previews

White Background



This preview shows how the XYZ color 13.1210, 18.2572, 28.0318 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 13.1210, 18.2572, 28.0318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

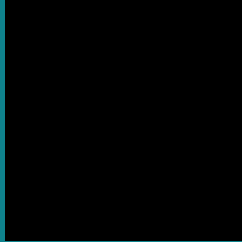
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1210, 18.2572, 28.0318

Background



This preview shows how black text looks on a background with the XYZ color 13.1210, 18.2572, 28.0318.

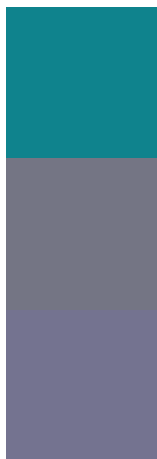


This preview shows how white text looks on a background with the XYZ color 13.1210, 18.2572,

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

13.1210, 18.2572, 28.0318

Protanopia

17.7286, 18.1015, 24.3893

Deuteranopia

18.3672, 17.9881, 28.8895



Tritanopia

13.2125, 18.2958, 28.4262

Trichromacy



Original Color

13.1210, 18.2572, 28.0318

Protanomaly

14.5572, 17.3306, 25.4996

Deuteranomaly

15.0197, 17.3202, 28.5381

Tritanomaly

13.2125, 18.2958, 28.4262

Monochromacy



Original Color

13.1210, 18.2572, 28.0318

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.7640, 13.3228, 17.6270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1210, 18.2572, 28.0318 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(15, 131, 141)` looks like.

```
.text, #text, p{  
    color:rgb(15, 131, 141)  
}
```

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(15, 131, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 131, 141) }
```

Border

The CSS property to change the border of an element to XYZ 13.1210, 18.2572, 28.0318 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(15, 131, 141) }
```


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

```
.border{ border-color:rgb(15, 131, 141) }
```

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

Here you see how a box with a 4 pixel rgb(15, 131, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 131, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 131, 141);  
box-shadow:4px 4px 4px 4px rgb(15, 131,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1210, 18.2572, 28.0318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 131, 141) }
```

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

```
.background{ background-color: rgb(15, 131,  
141) }
```

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