

Converting Colors

XYZ(12.7100, 14.2145, 17.5344)

Have a look what the booklet for
XYZ(12.7100, 14.2145, 17.5344)
contains.

XYZ(12.7008, 14.1703, 17.3950)	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(12.7008, 14.1703,
17.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	5C6C70
RGB	92, 108, 112
RGB Percent	36%, 42%, 44%
CMY	0.6392, 0.5765, 0.5608
CMYK	0.18, 0.04, 0.00, 0.56
HSL	192°, 10%, 40%
HSV	192°, 18%, 44%
XYZ	12.7008, 14.1703, 17.3950
YIQ	103.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

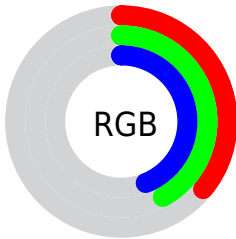
Format	Color
R_{YB}	92, 101, 112
Decimal	6057072
CIE _{Lab}	44.48, -5.05, -4.25
CIE _{LCh}	44, 6.602, 220.104
Yxy	14.1703, 0.2869, 0.3201
Android (android.graphics.Color)	4284247152 (0xFF5C6C70)
YUV	103.6720, 4.1057, -10.2363
Hunter-Lab	37.6435, -5.6506, -1.0474

Details

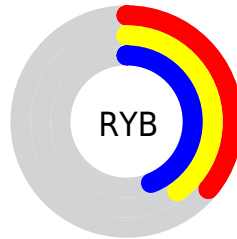
The XYZ color **12.7008, 14.1703, 17.3950** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7968, 12.5831, 11.8797**, and the grayscale version is **13.0623, 13.7425, 14.9656**.

A 20% lighter version of the original color is **30.2543, 33.2274, 39.9409**, and **3.7209, 4.2885, 5.4821** is the 20% darker color. If you saturate the color by 10%, you get **11.4307, 13.1698, 17.2691**, and if you desaturate by 10%, it is **14.1433, 15.2694, 17.5313**.

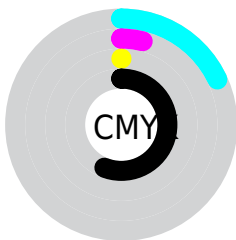
Distribution



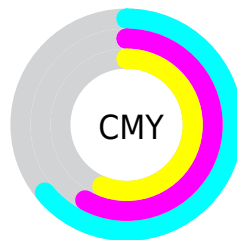
- Red (36%)
- Green (42%)
- Blue (44%)



- Red (36%)
- Yellow (40%)
- Blue (44%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (56%)



- Cyan (64%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7008, 14.1703, 17.3950 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 12.7008, 14.1703, 17.3950 by changing the saturation by 10% instead.

■ 12.7008, 14.1703,
17.3950

■ 12.7008, 14.1703,
17.3950

202.6677,
218.2877, 249.5590

■ 7.2984, 8.2392,
10.3516

■ 30.3711, 33.3909,
39.8036

■ 3.6974, 4.2484,
5.5240

■ 43.3698, 47.4492,
56.0059

■ 1.5324, 1.8135,
2.4938

■ 59.6312, 64.9853,
76.0982

■ 0.3477, 0.4955,
0.8369

■ 79.5208, 86.3837,
100.4990

■ 0.0000, 0.0000,
0.0000

103.4039,
112.0288, 129.6270

131.6458,

142.3049, 163.9006

164.6120,
177.5964, 203.7385

■ 12.7008, 14.1703,
17.3950

■ 12.7008, 14.1703,
17.3950

■ 11.4307, 13.1698,
17.2691

■ 14.1433, 15.2694,
17.5313

■ 10.3243, 12.2623,
17.1522

■ 15.7637, 16.4689,
17.6775

■ 9.3744, 11.4443,
17.0444

■ 17.5690, 17.7729,
17.8340

■ 8.5725, 10.7114,
16.9452

■ 19.5651, 19.1844,
18.0013

■ 7.9092, 10.0588,
16.8542

■ 21.7580, 20.7067,
18.1795

■ 7.3741, 9.4809,
16.7708

■ 24.1533, 22.3426,
18.3690

■ 6.9554, 8.9715,
16.6946

■ 26.7562, 24.0949,
18.5701

■ 6.6185, 8.5129,
16.6238

■ 29.5721, 25.9665,
18.7829

■ 6.5481, 8.4166,
16.6089

■ 32.6057, 27.9598,
19.0078

Harmonies

Analogous

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



12.4859, 14.1703, 15.9489



12.7008, 14.1703, 17.3950



13.1232, 14.1703, 18.3522

Triad

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



12.7008, 14.1703, 17.3950



14.4538, 14.1703, 16.4480



13.2897, 14.1703, 12.7199

Complementary

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



12.7008, 14.1703, 17.3950



12.7968, 12.5831, 11.8797

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.



13.8197, 14.1703, 12.8341



12.7008, 14.1703, 17.3950



14.5012, 14.1703, 14.9206

Square

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



12.7008, 14.1703, 17.3950



14.1385, 14.1703, 17.7810



14.2664, 14.1703, 13.6171



12.8199, 14.1703, 13.2942

Rectangle

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



12.7008, 14.1703, 17.3950



13.4703, 14.1703, 18.5492



14.2664, 14.1703, 13.6171



13.4666, 14.1703, 12.6800

Sweetspot

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



12.7012, 14.1709, 17.3953



25.5904, 27.3808, 30.8660



12.3040, 14.7023, 13.1756



6.1118, 6.5512, 7.4121



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.



12.7012, 14.1709, 17.3953



21.4539, 24.2254, 30.4750



11.7374, 12.2432, 17.0740



3.4211, 3.7075, 4.2895



7.5539, 9.6982, 19.1954



37.0141, 47.0801, 95.4157

Inverse Universe

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



13.2163, 12.1820, 15.8429



22.5281, 20.1449, 27.2222



13.7338, 14.4572, 12.1920



3.4872, 3.4426, 4.0924



9.8312, 4.8249, 11.4530



48.6630, 23.9105, 55.4168

Previews

White Background



This preview shows how the XYZ color 12.7008, 14.1703, 17.3950 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 12.7008, 14.1703, 17.3950 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

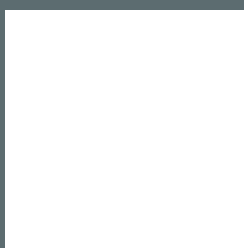
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7008, 14.1703, 17.3950

Background



This preview shows how black text looks on a background with the XYZ color 12.7008, 14.1703, 17.3950.



This preview shows how white text looks on a background with the XYZ color 12.7008, 14.1703,

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

12.7008, 14.1703, 17.3950

Protanopia

13.5905, 14.0297, 16.7436

Deuteranopia

14.2876, 14.0745, 17.5864



Tritanopia

12.9243, 14.1035, 18.5641

Trichromacy



Original Color

12.7008, 14.1703, 17.3950

Protanomaly

13.1763, 13.9602, 17.0390

Deuteranomaly

13.6399, 14.0359, 17.6131

Tritanomaly

12.8664, 14.0804, 18.2593

Monochromacy



Original Color

12.7008, 14.1703, 17.3950

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9609, 13.8740, 15.9048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7008, 14.1703, 17.3950 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(92, 108, 112) looks like.

```
.text, #text, p{  
    color:rgb(92, 108, 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(92, 108, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 108, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.7008, 14.1703, 17.3950 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(92, 108, 112) }
```


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

```
.border{ border-color:rgb(92, 108, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 108, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 108, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 108, 112);  
box-shadow:4px 4px 4px 4px rgb(92, 108,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7008, 14.1703, 17.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 108, 112) }
```

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

```
.background{ background-color: rgb(92, 108,  
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