

Converting Colors

XYZ(12.8293, 14.5740, 17.5246)

Have a look what the booklet for
XYZ(12.8293, 14.5740, 17.5246)
contains.

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Color

**XYZ(12.8149, 14.5459,
17.4614)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6E70
RGB	91, 110, 112
RGB Percent	36%, 43%, 44%
CMY	0.6431, 0.5686, 0.5608
CMYK	0.19, 0.02, 0.00, 0.56
HSL	186°, 10%, 40%
HSV	186°, 19%, 44%
XYZ	12.8149, 14.5459, 17.4614
YIQ	104.5470, -11.9660, -3.4060

Conversions

Conversions Part 2

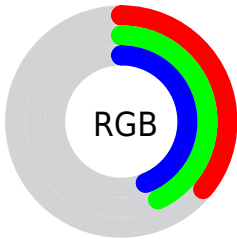
Format	Color
R_{YB}	91, 101, 112
Decimal	5992048
CIE _{Lab}	45.01, -6.57, -3.48
CIE _{LCh}	45, 7.433, 207.894
Yxy	14.5459, 0.2859, 0.3245
Android (android.graphics.Color)	4284182128 (0xFF5B6E70)
YUV	104.5470, 3.6743, -11.8807
Hunter-Lab	38.1391, -6.7666, -0.4477

Details

The XYZ color **12.8149, 14.5459, 17.4614** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4847, 12.0285, 11.5613**, and the grayscale version is **13.2980, 13.9905, 15.2357**.

A 20% lighter version of the original color is **30.6057, 34.1837, 40.1070**, and **3.7302, 4.3733, 5.4980** is the 20% darker color. If you saturate the color by 10%, you get **11.6781, 13.7906, 17.3758**, and if you desaturate by 10%, it is **14.1188, 15.3902, 17.5559**.

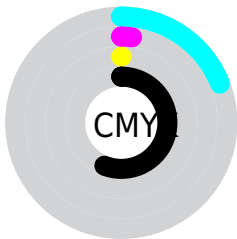
Distribution



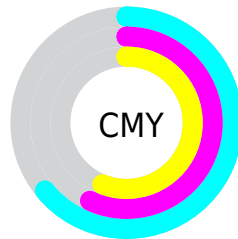
- Red (36%)
- Green (43%)
- Blue (44%)



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



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (56%)



- Cyan (64%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8149, 14.5459, 17.4614 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 12.8149, 14.5459, 17.4614 by changing the saturation by 10% instead.

■ 12.8149, 14.5459,
17.4614

■ 12.8149, 14.5459,
17.4614

203.3896,
220.6010, 249.9508

■ 7.3773, 8.5013,
10.3986

■ 30.5750, 34.0546,
39.9189

■ 3.7476, 4.4174,
5.5550

■ 43.6282, 48.2874,
56.1506

■ 1.5604, 1.9097,
2.5120

■ 59.9507, 66.0185,
76.2757

■ 0.3664, 0.5542,
0.8465

■ 79.9078, 87.6322,
100.7127

■ 0.0000, 0.0000,
0.0000

103.8649,
113.5129, 129.8802

132.1874,

144.0450, 164.1967

165.2405,
179.6129, 204.0807

■ 12.8149, 14.5459,
17.4614

■ 12.8149, 14.5459,
17.4614

■ 11.6781, 13.7906,
17.3758

■ 14.1188, 15.3902,
17.5559

■ 10.6997, 13.1186,
17.2976

■ 15.5953, 16.3251,
17.6585

■ 9.8724, 12.5266,
17.2270

■ 17.2513, 17.3546,
17.7699

■ 9.1878, 12.0101,
17.1633

■ 19.0929, 18.4819,
17.8905

■ 8.6364, 11.5643,
17.1064

■ 21.1259, 19.7099,
18.0204

■ 8.2077, 11.1839,
17.0555

■ 23.3559, 21.0416,
18.1599

■ 7.8899, 10.8625,
17.0102

■ 25.7882, 22.4796,
18.3092

■ 7.6425, 10.5795,
16.9687

■ 28.4279, 24.0267,
18.4687

■ 7.6120, 10.5445,
16.9635

■ 31.2801, 25.6854,
18.6386

Harmonies

Analogous

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



12.6866, 14.5459, 15.7149



12.8149, 14.5459, 17.4614



13.2116, 14.5459, 18.8559

Triad

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



12.8149, 14.5459, 17.4614



14.8425, 14.5459, 17.6905



13.8686, 14.5459, 12.7139

Complementary

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



12.8149, 14.5459, 17.4614



12.4847, 12.0285, 11.5613

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.



14.4580, 14.5459, 13.1606



12.8149, 14.5459, 17.4614



15.0305, 14.5459, 15.9617

Square

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



12.8149, 14.5459, 17.4614



14.3812, 14.5459, 18.9949



14.8878, 14.5459, 14.3185



13.2842, 14.5459, 13.0519

Rectangle

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



12.8149, 14.5459, 17.4614



13.5810, 14.5459, 19.3532



14.8878, 14.5459, 14.3185



14.0728, 14.5459, 12.7766

Sweetspot

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



12.8153, 14.5465, 17.4617



25.4459, 27.4467, 30.8864



12.0734, 14.5985, 12.4795



6.0853, 6.5761, 7.4183



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.



12.8153, 14.5465, 17.4617



21.5080, 24.8911, 30.6007



11.7724, 12.4606, 17.1141



3.4492, 3.7636, 4.2989



8.7910, 12.1724, 19.6078



43.4496, 59.9510, 97.5608

Inverse Universe

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



13.2379, 12.0529, 16.3814



22.4194, 19.5803, 28.2558



13.4457, 13.9505, 11.8817



3.5014, 3.4483, 4.1670



10.4556, 5.0746, 14.7412



51.9113, 25.2098, 72.5222

Previews

White Background



This preview shows how the XYZ color 12.8149, 14.5459, 17.4614 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 12.8149, 14.5459, 17.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

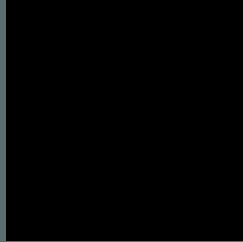
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8149, 14.5459, 17.4614

Background



This preview shows how black text looks on a background with the XYZ color 12.8149, 14.5459, 17.4614.



This preview shows how white text looks on a background with the XYZ color 12.8149, 14.5459,

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

12.8149, 14.5459, 17.4614

Protanopia

13.9778, 14.5380, 16.5374

Deuteranopia

14.6409, 14.4035, 17.6313



Tritanopia

13.1523, 14.5206, 19.2491

Trichromacy



Original Color

12.8149, 14.5459, 17.4614

Protanomaly

13.4390, 14.4079, 16.8245

Deuteranomaly

13.9604, 14.5036, 17.6865

Tritanomaly

13.0347, 14.4735, 18.6297

Monochromacy



Original Color

12.8149, 14.5459, 17.4614

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2200, 14.3074, 16.2522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8149, 14.5459, 17.4614 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(91, 110, 112) looks like.

```
.text, #text, p{  
    color:rgb(91, 110, 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(91, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 110, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.8149, 14.5459, 17.4614 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(91, 110, 112) }
```


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

```
.border{ border-color:rgb(91, 110, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(91, 110,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8149, 14.5459, 17.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 110, 112) }
```

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

```
.background{ background-color: rgb(91, 110,  
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](#).

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