

Converting Colors

XYZ(14.7136, 17.8914, 28.5851)

Have a look what the booklet for
XYZ(14.7136, 17.8914, 28.5851)
contains.

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Color

**XYZ(14.7458, 17.9156,
28.6675)**

Conversions

Conversions Part 1

Format	Color
Hex	457D8F
RGB	69, 125, 143
RGB Percent	27%, 49%, 56%
CMY	0.7294, 0.5098, 0.4392
CMYK	0.52, 0.13, 0.00, 0.44
HSL	195°, 35%, 42%
HSV	195°, 52%, 56%
XYZ	14.7458, 17.9156, 28.6675
YIQ	110.3080, -39.1540, -6.2740

Conversions

Conversions Part 2

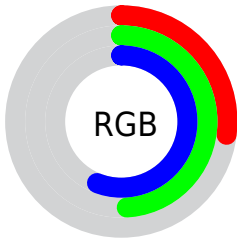
Format	Color
R_{YB}	69, 101, 143
Decimal	4554127
CIE _{Lab}	49.39, -13.20, -15.44
CIE _{LCh}	49, 20.314, 229.464
Yxy	17.9156, 0.2404, 0.2921
Android (android.graphics.Color)	4282744207 (0xFF457D8F)
YUV	110.3080, 16.1172, -36.2271
Hunter-Lab	42.3268, -11.8862, -10.5277

Details

The XYZ color **14.7458, 17.9156, 28.6675** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **15.8105, 13.0863, 7.3234**, and the grayscale version is **14.8732, 15.6477, 17.0404**.

A 20% lighter version of the original color is **34.0245, 40.0096, 58.7527**, and **4.6353, 5.9979, 11.2693** is the 20% darker color. If you saturate the color by 10%, you get **13.4185, 16.5895, 28.4818**, and if you desaturate by 10%, it is **16.3341, 19.4000, 28.8706**.

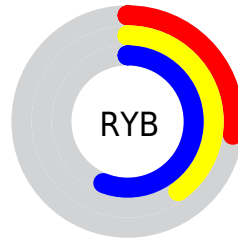
Distribution



Red (27%)

Green (49%)

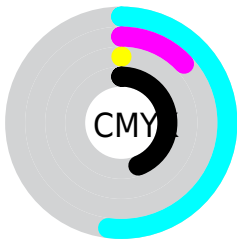
Blue (56%)



Red (27%)

Yellow (40%)

Blue (56%)

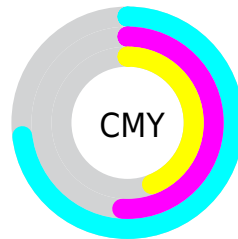


Cyan (52%)

Magenta (13%)

Yellow (0%)

Black (44%)



Cyan (73%)

Magenta (51%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7458, 17.9156, 28.6675 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 14.7458, 17.9156, 28.6675 by changing the saturation by 10% instead.

■ 14.7458, 17.9156,
28.6675

■ 14.7458, 17.9156,
28.6675

■ 215.2414,
240.3949, 309.6546

■ 8.7263, 10.8894,
18.5860

■ 33.9819, 39.8935,
58.5843

■ 4.6188, 5.9925,
11.1978

■ 47.9293, 55.6139,
79.2566

■ 2.0578, 2.8405,
6.0842

■ 65.2501, 75.0012,
104.2964

■ 0.6661, 1.0491,
2.8267

■ 86.3095, 98.4399,
134.1220

■ 0.0000, 0.0000,
1.0068

■ 111.4730,
126.3141, 169.1521

■ 0.0000, 0.0000,
0.0000

141.1059,

159.0085, 209.8052

175.5736,
196.9073, 256.4999

■ 14.7458, 17.9156,
28.6675

■ 14.7458, 17.9156,
28.6675

■ 13.4185, 16.5895,
28.4818

■ 16.3341, 19.4000,
28.8706

■ 12.3326, 15.4100,
28.3114

■ 18.1980, 21.0492,
29.0907

■ 11.4681, 14.3671,
28.1557

■ 20.3529, 22.8718,
29.3289

■ 10.8010, 13.4482,
28.0134

■ 22.8127, 24.8751,
29.5860

■ 10.3435, 12.7543,
27.9036

■ 25.5900, 27.0659,
29.8625

■ 28.6972, 29.4507,
30.1590

■ 32.1455, 32.0356,
30.4762

■ 35.9460, 34.8265,
30.8146

■ 40.1089, 37.8289,
31.1747

Harmonies

Analogous

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



13.7876, 17.9156, 23.2354



14.7458, 17.9156, 28.6675



16.3639, 17.9156, 31.8175

Triad

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



14.7458, 17.9156, 28.6675



20.9102, 17.9156, 21.4993



15.8307, 17.9156, 11.1590

Complementary

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



14.7458, 17.9156, 28.6675



15.8105, 13.0863, 7.3234

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.



17.7104, 17.9156, 10.8688



14.7458, 17.9156, 28.6675



20.7406, 17.9156, 16.2005

Square

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



14.7458, 17.9156, 28.6675



19.9822, 17.9156, 27.1935



19.5348, 17.9156, 12.5410



14.3807, 17.9156, 13.4255

Rectangle

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



14.7458, 17.9156, 28.6675



17.6408, 17.9156, 31.8651



19.5348, 17.9156, 12.5410



16.4301, 17.9156, 10.8456

Sweetspot

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



14.7464, 17.9163, 28.6679



38.7613, 42.8583, 52.7676



13.9677, 21.5868, 12.2917



8.7057, 9.6789, 12.0816



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.7464, 17.9163, 28.6679



23.6982, 29.3613, 50.9563



10.9630, 10.3495, 27.4068



5.4507, 5.8971, 6.8797



9.1623, 11.3107, 24.6774



0.1047, 0.1424, 0.2417

Inverse Universe

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



17.1580, 11.5771, 20.7330



28.7009, 17.4023, 34.2289



19.5184, 20.5020, 8.5594



5.5710, 5.4889, 6.5046



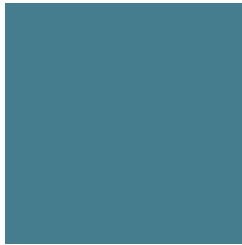
12.4278, 6.1282, 13.1702



0.1275, 0.0621, 0.1715

Previews

White Background



This preview shows how the XYZ color 14.7458, 17.9156, 28.6675 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 14.7458, 17.9156, 28.6675 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 14.7458, 17.9156, 28.6675

Background



This preview shows how black text looks on a background with the XYZ color 14.7458, 17.9156, 28.6675.



This preview shows how white text looks on a background with the XYZ color 14.7458, 17.9156,

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

14.7458, 17.9156, 28.6675

Protanopia

17.5708, 17.8076, 26.1780

Deuteranopia

18.1810, 17.8832, 29.2816



Tritanopia

14.2195, 17.8926, 25.9967

Trichromacy



Original Color

14.7458, 17.9156, 28.6675

Protanomaly

16.1868, 17.5991, 26.9699

Deuteranomaly

16.6679, 17.8039, 28.9436

Tritanomaly

14.5050, 18.0147, 27.1388

Monochromacy



Original Color

14.7458, 17.9156, 28.6675

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3629, 16.0995, 20.7629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7458, 17.9156, 28.6675 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(69, 125, 143)` looks like.

```
.text, #text, p{  
    color:rgb(69, 125, 143)  
}
```

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(69, 125, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 125, 143) }
```

Border

The CSS property to change the border of an element to XYZ 14.7458, 17.9156, 28.6675 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(69, 125, 143) }
```


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

```
.border{ border-color:rgb(69, 125, 143) }
```

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

Here you see how a box with a 4 pixel rgb(69, 125, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 125, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 125, 143);  
box-shadow:4px 4px 4px 4px rgb(69, 125,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7458, 17.9156, 28.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 125, 143) }
```

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

```
.background{ background-color: rgb(69, 125,  
143) }
```

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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