

Converting Colors

XYZ(12.7102, 14.4470, 19.0412)

Have a look what the booklet for
XYZ(12.7102, 14.4470, 19.0412)
contains.

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Color

**XYZ(12.7173, 14.4625,
18.9509)**

Conversions

Conversions Part 1

Format	Color
Hex	576E75
RGB	87, 110, 117
RGB Percent	34%, 43%, 46%
CMY	0.6588, 0.5686, 0.5412
CMYK	0.26, 0.06, 0.00, 0.54
HSL	194°, 15%, 40%
HSV	194°, 26%, 46%
XYZ	12.7173, 14.4625, 18.9509
YIQ	103.9210, -15.9550, -2.6990

Conversions

Conversions Part 2

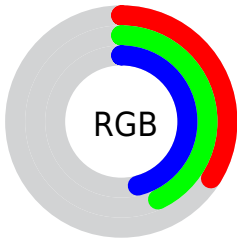
Format	Color
R_{YB}	87, 100, 117
Decimal	5729909
CIE _{Lab}	44.89, -6.72, -6.68
CIE _{LCh}	45, 9.477, 224.855
Yxy	14.4625, 0.2757, 0.3135
Android (android.graphics.Color)	4283919989 (0xFF576E75)
YUV	103.9210, 6.4479, -14.8397
Hunter-Lab	38.0296, -6.8604, -2.9247

Details

The XYZ color **12.7173, 14.4625, 18.9509** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0592, 12.4754, 10.7368**, and the grayscale version is **13.1237, 13.8071, 15.0360**.

A 20% lighter version of the original color is **30.3983, 34.0236, 42.5012**, and **3.6719, 4.3260, 6.2717** is the 20% darker color. If you saturate the color by 10%, you get **11.4224, 13.3649, 18.8075**, and if you desaturate by 10%, it is **14.1992, 15.6708, 19.1063**.

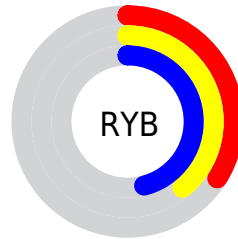
Distribution



Red (34%)

Green (43%)

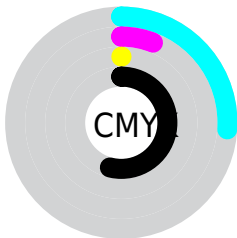
Blue (46%)



Red (34%)

Yellow (39%)

Blue (46%)

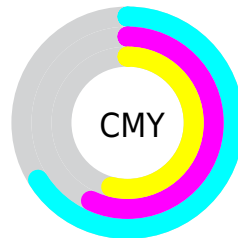


Cyan (26%)

Magenta (6%)

Yellow (0%)

Black (54%)



Cyan (66%)

Magenta (57%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7173, 14.4625, 18.9509 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 12.7173, 14.4625, 18.9509 by changing the saturation by 10% instead.

■ 12.7173, 14.4625,
18.9509

■ 12.7173, 14.4625,
18.9509

202.7723,
220.0894, 258.5913

■ 7.3098, 8.4430,
11.4584

■ 30.4006, 33.9074,
42.4867

■ 3.7047, 4.3797,
6.2580

■ 43.4072, 48.1017,
59.3671

■ 1.5364, 1.8882,
2.9313

■ 59.6774, 65.7897,
80.2137

■ 0.3504, 0.5412,
1.0596

■ 79.5768, 87.3558,
105.4453

■ 0.0000, 0.0000,
0.0000

■ 103.4706,
113.1845, 135.4803

131.7242,

143.6600, 170.7373

164.7030,
179.1668, 211.6347

■ 12.7173, 14.4625,
18.9509

■ 12.7173, 14.4625,
18.9509

■ 11.4224, 13.3649,
18.8075

■ 14.1992, 15.6708,
19.1063

■ 10.3047, 12.3715,
18.6747

■ 15.8749, 16.9921,
19.2730

■ 9.3552, 11.4781,
18.5523

■ 17.7522, 18.4312,
19.4518

■ 8.5637, 10.6794,
18.4398

■ 19.8385, 19.9917,
19.6431

■ 7.9190, 9.9692,
18.3367

■ 22.1404, 21.6774,
19.8471

■ 7.4081, 9.3408,
18.2424

■ 24.6643, 23.4915,
20.0642

■ 7.0071, 8.7819,
18.1556

■ 27.4165, 25.4375,
20.2948

■ 6.8425, 8.5474,
18.1191

■ 30.4030, 27.5185,
20.5391

■ 33.6293, 29.7376,
20.7973

Harmonies

Analogous

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



12.3564, 14.4625, 16.8661



12.7173, 14.4625, 18.9509



13.3608, 14.4625, 20.2331

Triad

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



12.7173, 14.4625, 18.9509



15.2343, 14.4625, 16.8879



13.3679, 14.4625, 11.9741

Complementary

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



12.7173, 14.4625, 18.9509



13.0592, 12.4754, 10.7368

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.



14.1389, 14.4625, 11.9788



12.7173, 14.4625, 18.9509



15.2364, 14.4625, 14.6789

Square

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



12.7173, 14.4625, 18.9509



14.8235, 14.4625, 18.9682



14.8291, 14.4625, 12.9266



12.7224, 14.4625, 12.9132

Rectangle

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



12.7173, 14.4625, 18.9509



13.8726, 14.4625, 20.3905



14.8291, 14.4625, 12.9266



13.6205, 14.4625, 11.8684

Sweetspot

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



12.7177, 14.4631, 18.9512



27.6230, 29.8005, 34.4332



12.2900, 15.5483, 12.8260



6.2624, 6.7822, 7.9080



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.7177, 14.4631, 18.9512



21.3061, 24.6647, 33.7748



11.2790, 11.5856, 18.4717



3.7144, 4.0174, 4.6699



7.5268, 9.3933, 19.9589



36.0025, 44.4215, 97.0370

Inverse Universe

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



13.5591, 11.7244, 16.3010



23.1244, 18.9430, 28.0035



14.4721, 15.3012, 11.2077



3.7919, 3.7440, 4.4307



10.0963, 4.9722, 10.9813



48.8591, 24.0938, 51.7149

Previews

White Background



This preview shows how the XYZ color 12.7173, 14.4625, 18.9509 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 12.7173, 14.4625, 18.9509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

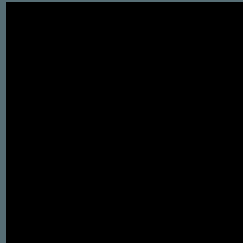
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

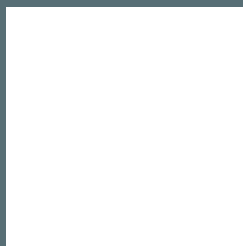
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7173, 14.4625, 18.9509

Background



This preview shows how black text looks on a background with the XYZ color 12.7173, 14.4625, 18.9509.



This preview shows how white text looks on a background with the XYZ color 12.7173, 14.4625,

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

12.7173, 14.4625, 18.9509

Protanopia

13.9145, 14.3213, 17.9505

Deuteranopia

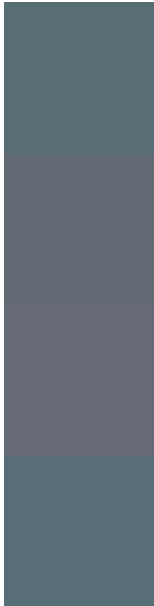
14.5507, 14.3235, 19.1373



Tritanopia

12.8362, 14.5100, 19.5769

Trichromacy



Original Color

12.7173, 14.4625, 18.9509

Protanomaly

13.3892, 14.3499, 18.2838

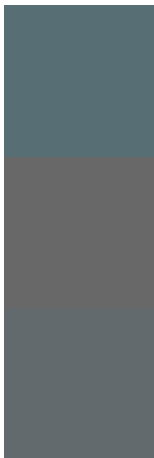
Deuteranomaly

13.9035, 14.4409, 19.1941

Tritanomaly

12.7764, 14.4861, 19.2622

Monochromacy



Original Color

12.7173, 14.4625, 18.9509

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9514, 14.0089, 16.4894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7173, 14.4625, 18.9509 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(87, 110, 117) looks like.

```
.text, #text, p{  
    color:rgb(87, 110, 117)  
}
```

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(87, 110, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 110, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.7173, 14.4625, 18.9509 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(87, 110, 117) }
```


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

```
.border{ border-color:rgb(87, 110, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 110, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 110, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 110, 117);  
box-shadow:4px 4px 4px 4px rgb(87, 110,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7173, 14.4625, 18.9509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 110, 117) }
```

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

```
.background{ background-color: rgb(87, 110,  
117) }
```

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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