

Converting Colors

XYZ(12.6980, 14.5727, 19.8652)

Have a look what the booklet for
XYZ(12.6980, 14.5727, 19.8652)
contains.

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Color

**XYZ(12.7308, 14.6098,
19.9183)**

Conversions

Conversions Part 1

Format	Color
Hex	546F78
RGB	84, 111, 120
RGB Percent	33%, 44%, 47%
CMY	0.6706, 0.5647, 0.5294
CMYK	0.30, 0.07, 0.00, 0.53
HSL	195°, 18%, 40%
HSV	195°, 30%, 47%
XYZ	12.7308, 14.6098, 19.9183
YIQ	103.9530, -18.9810, -2.9250

Conversions

Conversions Part 2

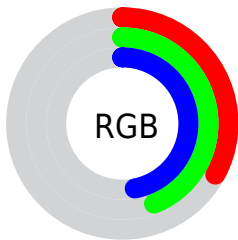
Format	Color
R_{YB}	84, 99, 120
Decimal	5533560
CIE _{Lab}	45.10, -7.52, -8.20
CIE _{LCh}	45, 11.122, 227.485
Yxy	14.6098, 0.2694, 0.3091
Android (android.graphics.Color)	4283723640 (0xFF546F78)
YUV	103.9530, 7.9112, -17.4988
Hunter-Lab	38.2228, -7.4371, -4.1407

Details

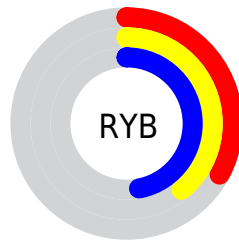
The XYZ color **12.7308, 14.6098, 19.9183** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2605, 12.4620, 10.0944**, and the grayscale version is **13.1291, 13.8128, 15.0421**.

A 20% lighter version of the original color is **30.5353, 34.3238, 44.0455**, and **3.7102, 4.4162, 6.7878** is the 20% darker color. If you saturate the color by 10%, you get **11.4257, 13.4596, 19.7653**, and if you desaturate by 10%, it is **14.2318, 15.8781, 20.0842**.

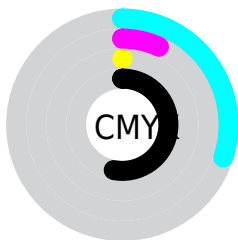
Distribution



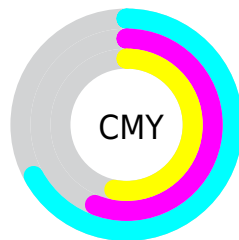
- Red (33%)
- Green (44%)
- Blue (47%)



- Red (33%)
- Yellow (39%)
- Blue (47%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (53%)



- Cyan (67%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7308, 14.6098, 19.9183 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 12.7308, 14.6098, 19.9183 by changing the saturation by 10% instead.

■ 12.7308, 14.6098,
19.9183

■ 12.7308, 14.6098,
19.9183

202.8578,
220.9921, 264.0621

■ 7.3192, 8.5460,
12.1522

■ 30.4247, 34.1672,
44.1373

■ 3.7106, 4.4463,
6.7236

■ 43.4378, 48.4296,
61.4273

■ 1.5397, 1.9262,
3.2140

■ 59.7153, 66.1936,
82.7290

■ 0.3526, 0.5641,
1.2049

■ 79.6226, 87.8436,
108.4610

■ 0.0000, 0.0000,
0.0000

■ 103.5252,
113.7641, 139.0417

131.7884,

144.3394, 174.8898

164.7774,
179.9540, 216.4237

■ 12.7308, 14.6098,
19.9183

■ 12.7308, 14.6098,
19.9183

■ 11.4257, 13.4596,
19.7653

■ 14.2318, 15.8781,
20.0842

■ 10.3057, 12.4206,
19.6238

■ 15.9363, 17.2673,
20.2625

■ 9.3609, 11.4879,
19.4936

■ 17.8529, 18.7825,
20.4540

■ 8.5800, 10.6556,
19.3741

■ 19.9893, 20.4279,
20.6590

■ 7.9502, 9.9168,
19.2647

■ 22.3531, 22.2074,
20.8779

■ 7.4566, 9.2638,
19.1646

■ 24.9512, 24.1248,
21.1110

■ 7.0468, 8.6693,
19.0715

■ 27.7904, 26.1836,
21.3588

■ 7.0468, 8.6692,
19.0715

■ 30.8771, 28.3874,
21.6215

■ 34.2174, 30.7395,
21.8994

Harmonies

Analogous

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



12.2747, 14.6098, 17.4701



12.7308, 14.6098, 19.9183



13.5084, 14.6098, 21.3512

Triad

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



12.7308, 14.6098, 19.9183



15.6756, 14.6098, 17.0247



13.3642, 14.6098, 11.5693

Complementary

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



12.7308, 14.6098, 19.9183



13.2605, 12.4620, 10.0944

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.



14.2709, 14.6098, 11.4781



12.7308, 14.6098, 19.9183



15.6328, 14.6098, 14.4412

Square

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



12.7308, 14.6098, 19.9183



15.2238, 14.6098, 19.5615



15.1094, 14.6098, 12.4750



12.6293, 14.6098, 12.7396

Rectangle

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



12.7308, 14.6098, 19.9183



14.1166, 14.6098, 21.4448



15.1094, 14.6098, 12.4750



13.6582, 14.6098, 11.4164

Sweetspot

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



12.7312, 14.6104, 19.9186



28.2775, 30.5691, 35.6631



12.3223, 16.0978, 12.6753



6.6098, 7.1710, 8.4425



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.7312, 14.6104, 19.9186



20.7754, 24.2820, 34.8450



11.0139, 11.1757, 19.3462



4.0263, 4.3508, 5.0708



7.6760, 9.4345, 20.8018



35.9143, 43.6012, 98.9928

Inverse Universe

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



13.7857, 11.4818, 16.5292



22.9866, 17.9913, 27.6765



14.9655, 15.8719, 10.6627



4.1137, 4.0612, 4.7965



10.4578, 5.1593, 10.9678



49.5310, 24.4687, 50.4538

Previews

White Background



This preview shows how the XYZ color 12.7308, 14.6098, 19.9183 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 12.7308, 14.6098, 19.9183 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

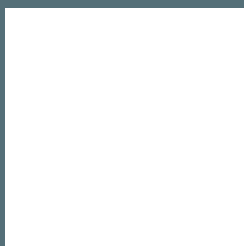
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7308, 14.6098, 19.9183

Background



This preview shows how black text looks on a background with the XYZ color 12.7308, 14.6098, 19.9183.



This preview shows how white text looks on a background with the XYZ color 12.7308, 14.6098,

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

12.7308, 14.6098, 19.9183

Protanopia

14.1906, 14.5957, 18.8989

Deuteranopia

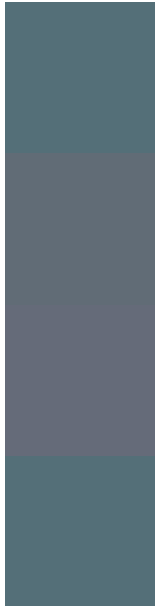
14.8936, 14.6208, 20.4495



Tritanopia

12.7308, 14.6098, 19.9183

Trichromacy



Original Color

12.7308, 14.6098, 19.9183

Protanomaly

13.5623, 14.5745, 19.2379

Deuteranomaly

14.0757, 14.6626, 20.1774

Tritanomaly

12.7308, 14.6098, 19.9183

Monochromacy



Original Color

12.7308, 14.6098, 19.9183

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0019, 14.1826, 16.8041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7308, 14.6098, 19.9183 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(84, 111, 120) looks like.

```
.text, #text, p{  
    color:rgb(84, 111, 120)  
}
```

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(84, 111, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 111, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.7308, 14.6098, 19.9183 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(84, 111, 120) }
```


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

```
.border{ border-color:rgb(84, 111, 120) }
```

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

Here you see how a box with a 4 pixel rgb(84, 111, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 111, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 111, 120);  
box-shadow:4px 4px 4px 4px rgb(84, 111,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7308, 14.6098, 19.9183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 111, 120) }
```

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

```
.background{ background-color: rgb(84, 111,  
120) }
```

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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