

Converting Colors

XYZ(12.5217, 14.5159, 19.2814)

Have a look what the booklet for
XYZ(12.5217, 14.5159, 19.2814)
contains.

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Color

**XYZ(12.5217, 14.5159,
19.2814)**

Conversions

Conversions Part 1

Format	Color
Hex	536F76
RGB	83, 111, 118
RGB Percent	33%, 44%, 46%
CMY	0.6745, 0.5647, 0.5373
CMYK	0.30, 0.06, 0.00, 0.54
HSL	192°, 17%, 39%
HSV	192°, 30%, 46%
XYZ	12.5217, 14.5159, 19.2814
YIQ	103.4260, -18.9350, -3.7590

Conversions

Conversions Part 2

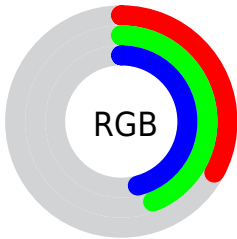
Format	Color
R_{YB}	83, 99, 118
Decimal	5468022
CIE _{Lab}	44.96, -8.36, -7.20
CIE _{LCh}	45, 11.033, 220.744
Yxy	14.5159, 0.2703, 0.3134
Android (android.graphics.Color)	4283658102 (0xFF536F76)
YUV	103.4260, 7.1850, -17.9136
Hunter-Lab	38.0997, -8.0095, -3.3355

Details

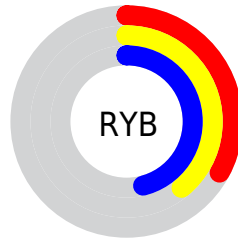
The XYZ color **12.5217, 14.5159, 19.2814** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.6888, 11.7884, 9.7904**, and the grayscale version is **12.9905, 13.6670, 14.8834**.

A 20% lighter version of the original color is **30.1844, 34.1650, 43.0338**, and **3.6106, 4.3723, 6.4480** is the 20% darker color. If you saturate the color by 10%, you get **11.3140, 13.5165, 19.1524**, and if you desaturate by 10%, it is **13.9143, 15.6215, 19.4216**.

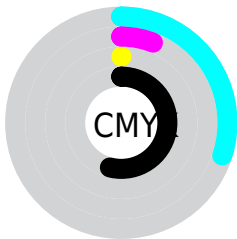
Distribution



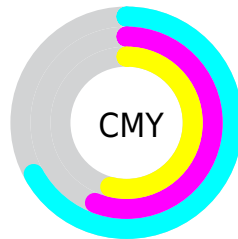
- Red (33%)
- Green (44%)
- Blue (46%)



- Red (33%)
- Yellow (39%)
- Blue (46%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (54%)



- Cyan (67%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5217, 14.5159, 19.2814 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 12.5217, 14.5159, 19.2814 by changing the saturation by 10% instead.

■ 12.5217, 14.5159,
19.2814

■ 12.5217, 14.5159,
19.2814

201.5293,
220.4171, 260.4722

■ 7.1747, 8.4803,
11.6949

■ 30.0505, 34.0017,
43.0521

■ 3.6189, 4.4038,
6.4163

■ 42.9630, 48.2206,
60.0733

■ 1.4889, 1.9019,
3.0270

■ 59.1280, 65.9362,
81.0766

■ 0.3183, 0.5495,
1.1084

■ 78.9110, 87.5328,
106.4805

■ 0.0000, 0.0000,
0.0000

■ 102.6773,
113.3948, 136.7034

130.7922,

143.9066, 172.1640

163.6211,
179.4525, 213.2807

■ 12.5217, 14.5159,
19.2814

■ 12.5217, 14.5159,
19.2814

■ 11.3140, 13.5165,
19.1524

■ 13.9143, 15.6215,
19.4216

■ 10.2808, 12.6167,
19.0332

■ 15.4989, 16.8358,
19.5725

■ 9.4129, 11.8121,
18.9236

■ 17.2838, 18.1636,
19.7347

■ 8.6994, 11.0969,
18.8232

■ 19.2764, 19.6089,
19.9087

■ 8.1281, 10.4648,
18.7313

■ 21.4838, 21.1752,
20.0947

7.6849, 9.9085,
18.6473

23.9125, 22.8661,
20.2930

7.3212, 9.4028,
18.5688

26.5691, 24.6851,
20.5041

7.3090, 9.3859,
18.5662

29.4596, 26.6352,
20.7282

32.5899, 28.7197,
20.9655

Harmonies

Analogous

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



12.1590, 14.5159, 16.7514



12.5217, 14.5159, 19.2814



13.2317, 14.5159, 20.9850

Triad

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



12.5217, 14.5159, 19.2814



15.5034, 14.5159, 17.5043



13.4755, 14.5159, 11.4024

Complementary

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



12.5217, 14.5159, 19.2814



12.6888, 11.7884, 9.7904

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.



14.3780, 14.5159, 11.5569



12.5217, 14.5159, 19.2814



15.5757, 14.5159, 14.8956

Square

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



12.5217, 14.5159, 19.2814



14.9626, 14.5159, 19.8840



15.1559, 14.5159, 12.7744



12.6935, 14.5159, 12.3264

Rectangle

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



12.5217, 14.5159, 19.2814



13.8195, 14.5159, 21.3226



15.1559, 14.5159, 12.7744



13.7744, 14.5159, 11.3327

Sweetspot

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



12.5221, 14.5165, 19.2817



27.3814, 29.7002, 34.4265



11.8667, 15.5244, 11.9145



6.2155, 6.7682, 7.9078



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.



12.5221, 14.5165, 19.2817



20.4492, 24.2342, 33.7369



10.8476, 11.1675, 18.7236



3.7241, 4.0369, 4.6732



7.8984, 10.1366, 20.0828



37.8781, 48.1729, 97.6622

Inverse Universe

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



13.4340, 11.1860, 16.4907



22.3786, 17.4453, 27.7737



14.2818, 14.9743, 10.3214



3.7968, 3.7460, 4.4566



10.2839, 5.0473, 11.9691



49.8059, 24.4725, 56.7005

Previews

White Background



This preview shows how the XYZ color 12.5217, 14.5159, 19.2814 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 12.5217, 14.5159, 19.2814 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

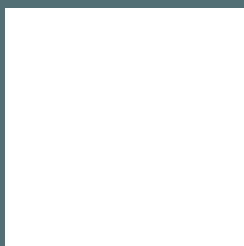
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5217, 14.5159, 19.2814

Background



This preview shows how black text looks on a background with the XYZ color 12.5217, 14.5159, 19.2814.



This preview shows how white text looks on a background with the XYZ color 12.5217, 14.5159,

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

12.5217, 14.5159, 19.2814

Protanopia

14.0327, 14.3822, 17.9560

Deuteranopia

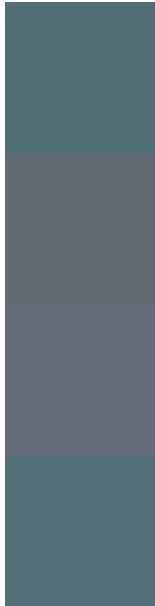
14.6708, 14.3716, 19.7701



Tritanopia

12.6419, 14.5639, 19.9141

Trichromacy



Original Color

12.5217, 14.5159, 19.2814

Protanomaly

13.3892, 14.3499, 18.2838

Deuteranomaly

13.7393, 14.3493, 19.4983

Tritanomaly

12.5815, 14.5398, 19.5961

Monochromacy



Original Color

12.5217, 14.5159, 19.2814

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6847, 13.8776, 16.1974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5217, 14.5159, 19.2814 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(83, 111, 118) looks like.

```
.text, #text, p{  
    color:rgb(83, 111, 118)  
}
```

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(83, 111, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 111, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.5217, 14.5159, 19.2814 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(83, 111, 118) }
```


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

```
.border{ border-color:rgb(83, 111, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 111, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 111, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 111, 118);  
box-shadow:4px 4px 4px 4px rgb(83, 111,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5217, 14.5159, 19.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 111, 118) }
```

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

```
.background{ background-color: rgb(83, 111,  
118) }
```

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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