

Converting Colors

XYZ(12.8346, 14.3577, 18.7686)

Have a look what the booklet for
XYZ(12.8346, 14.3577, 18.7686)
contains.

XYZ(12.8375, 14.3719, 18.6204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8375, 14.3719,
18.6204)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6D74
RGB	90, 109, 116
RGB Percent	35%, 43%, 45%
CMY	0.6471, 0.5725, 0.5451
CMYK	0.22, 0.06, 0.00, 0.55
HSL	196°, 13%, 40%
HSV	196°, 22%, 45%
XYZ	12.8375, 14.3719, 18.6204
YIQ	104.1170, -13.5710, -1.8510

Conversions

Conversions Part 2

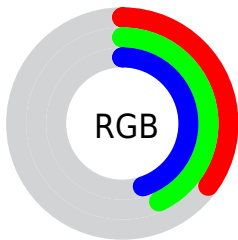
Format	Color
R _Y B	90, 101, 116
Decimal	5926260
CIE Lab	44.76, -5.37, -6.25
CIE LCh	45, 8.239, 229.357
Yxy	14.3719, 0.2801, 0.3136
Android (android.graphics.Color)	4284116340 (0xFF5A6D74)
YUV	104.1170, 5.8583, -12.3806
Hunter-Lab	37.9103, -5.8978, -2.5843

Details

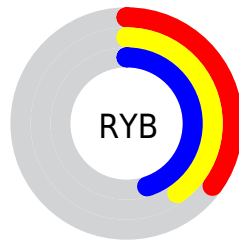
The XYZ color **12.8375, 14.3719, 18.6204** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3228, 13.0007, 11.4804**, and the grayscale version is **13.1772, 13.8634, 15.0973**.

A 20% lighter version of the original color is **30.6232, 33.6315, 41.9233**, and **3.7623, 4.3762, 6.1152** is the 20% darker color. If you saturate the color by 10%, you get **11.4690, 13.1810, 18.4629**, and if you desaturate by 10%, it is **14.3948, 15.6784, 18.7907**.

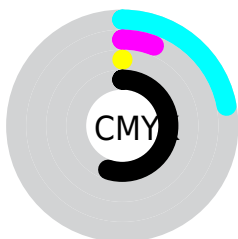
Distribution



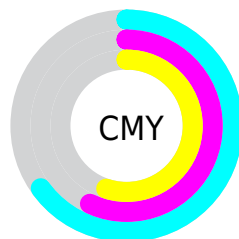
- Red (35%)
- Green (43%)
- Blue (45%)



- Red (35%)
- Yellow (40%)
- Blue (45%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (55%)



- Cyan (65%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8375, 14.3719, 18.6204 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 12.8375, 14.3719, 18.6204 by changing the saturation by 10% instead.

■ 12.8375, 14.3719,
18.6204

■ 12.8375, 14.3719,
18.6204

203.5323,
219.5323, 256.6976

■ 7.3930, 8.3798,
11.2223

■ 30.6153, 33.7475,
41.9198

■ 3.7576, 4.3389,
6.1005

■ 43.6794, 47.8997,
58.6581

■ 1.5659, 1.8649,
2.8365

■ 60.0139, 65.5408,
79.3470

■ 0.3700, 0.5271,
1.0118

■ 79.9844, 87.0551,
104.4049

■ 0.0000, 0.0000,
0.0000

103.9561,
112.8270, 134.2503

132.2944,

143.2409, 169.3019

165.3647,
178.6812, 209.9781

■ 12.8375, 14.3719,
18.6204

■ 12.8375, 14.3719,
18.6204

■ 11.4690, 13.1810,
18.4629

■ 14.3948, 15.6784,
18.7907

■ 10.2797, 12.0996,
18.3168

■ 16.1474, 17.1030,
18.9733

■ 9.2613, 11.1233,
18.1821

■ 18.1030, 18.6502,
19.1689

■ 8.4039, 10.2472,
18.0582

■ 20.2685, 20.3236,
19.3778

■ 7.6968, 9.4654,
17.9445

■ 22.6505, 22.1269,
19.6003

■ 7.1279, 8.7715,
17.8406

■ 25.2551, 24.0635,
19.8368

■ 6.6825, 8.1576,
17.7456

■ 28.0886, 26.1366,
20.0876

■ 6.3833, 7.7227,
17.6774

■ 31.1565, 28.3493,
20.3530

■ 34.4645, 30.7047,
20.6333

Harmonies

Analogous

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



12.4796, 14.3719, 16.9044



12.8375, 14.3719, 18.6204



13.4234, 14.3719, 19.5646

Triad

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



12.8375, 14.3719, 18.6204



14.9666, 14.3719, 16.3403



13.2372, 14.3719, 12.4174

Complementary

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



12.8375, 14.3719, 18.6204



13.3228, 13.0007, 11.4804

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.



13.8995, 14.3719, 12.2934



12.8375, 14.3719, 18.6204



14.9127, 14.3719, 14.4565

Square

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



12.8375, 14.3719, 18.6204



14.6617, 14.3719, 18.1785



14.5170, 14.3719, 13.0110



12.7051, 14.3719, 13.3649

Rectangle

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



12.8375, 14.3719, 18.6204



13.8707, 14.3719, 19.5813



14.5170, 14.3719, 13.0110



13.4515, 14.3719, 12.2811

Sweetspot

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



12.8379, 14.3725, 18.6207



26.8725, 28.8442, 33.1957



12.6167, 15.5265, 13.6253



6.3813, 6.8572, 7.9162



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.



12.8379, 14.3725, 18.6207



21.2579, 24.1354, 32.5827



11.5581, 11.8129, 18.1941



3.7039, 3.9965, 4.6664



7.1479, 8.6354, 19.8326



34.0974, 40.6114, 96.4019

Inverse Universe

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



13.6193, 12.1298, 16.0921



22.9161, 19.5209, 27.1842



14.6169, 15.5889, 11.9118



3.7866, 3.7419, 4.4029



9.9050, 4.8957, 9.9741



47.8975, 23.7091, 46.6513

Previews

White Background



This preview shows how the XYZ color 12.8375, 14.3719, 18.6204 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 12.8375, 14.3719, 18.6204 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

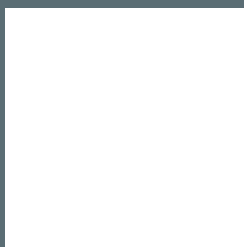
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8375, 14.3719, 18.6204

Background



This preview shows how black text looks on a background with the XYZ color 12.8375, 14.3719, 18.6204.



This preview shows how white text looks on a background with the XYZ color 12.8375, 14.3719,

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

12.8375, 14.3719, 18.6204

Protanopia

13.9145, 14.3213, 17.9505

Deuteranopia

14.6167, 14.3644, 18.8318



Tritanopia

12.8960, 14.3953, 18.9285

Trichromacy



Original Color

12.8375, 14.3719, 18.6204

Protanomaly

13.5041, 14.2552, 18.2594

Deuteranomaly

13.8560, 14.2711, 18.8539

Tritanomaly

12.8960, 14.3953, 18.9285

Monochromacy



Original Color

12.8375, 14.3719, 18.6204

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0064, 14.0434, 16.2125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8375, 14.3719, 18.6204 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(90, 109, 116) looks like.

```
.text, #text, p{  
    color:rgb(90, 109, 116)  
}
```

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(90, 109, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 109, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.8375, 14.3719, 18.6204 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(90, 109, 116) }
```


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

```
.border{ border-color:rgb(90, 109, 116) }
```

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

Here you see how a box with a 4 pixel rgb(90, 109, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 109, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 109, 116);  
box-shadow:4px 4px 4px 4px rgb(90, 109,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8375, 14.3719, 18.6204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 109, 116) }
```

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

```
.background{ background-color: rgb(90, 109,  
116) }
```

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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