

Converting Colors

XYZ(12.3545, 13.6423, 19.1216)

Have a look what the booklet for
XYZ(12.3545, 13.6423, 19.1216)
contains.

XYZ(12.3545, 13.6423, 19.1216)	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(12.3545, 13.6423,
19.1216)**

Conversions

Conversions Part 1

Format	Color
Hex	576A76
RGB	87, 106, 118
RGB Percent	34%, 42%, 46%
CMY	0.6588, 0.5843, 0.5373
CMYK	0.26, 0.10, 0.00, 0.54
HSL	203°, 15%, 40%
HSV	203°, 26%, 46%
XYZ	12.3545, 13.6423, 19.1216
YIQ	101.6870, -15.1760, -0.2960

Conversions

Conversions Part 2

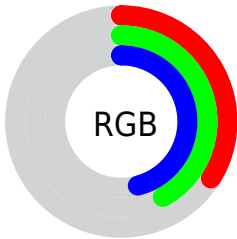
Format	Color
R_{YB}	87, 99, 118
Decimal	5728886
CIE _{Lab}	43.72, -4.12, -9.04
CIE _{LCh}	44, 9.935, 245.527
Yxy	13.6423, 0.2738, 0.3024
Android (android.graphics.Color)	4283918966 (0xFF576A76)
YUV	101.6870, 8.0423, -12.8805
Hunter-Lab	36.9355, -4.9309, -4.8398

Details

The XYZ color **12.3545, 13.6423, 19.1216** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6535, 13.4633, 10.8962**, and the grayscale version is **12.5306, 13.1831, 14.3564**.

A 20% lighter version of the original color is **29.6292, 32.3346, 42.7098**, and **3.5445, 4.0212, 6.3837** is the 20% darker color. If you saturate the color by 10%, you get **10.8835, 12.2041, 18.9217**, and if you desaturate by 10%, it is **14.0315, 15.2246, 19.3389**.

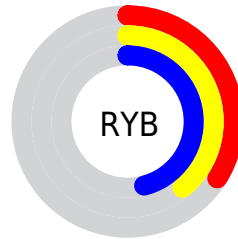
Distribution



Red (34%)

Green (42%)

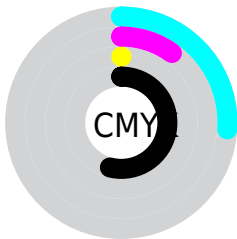
Blue (46%)



Red (34%)

Yellow (39%)

Blue (46%)

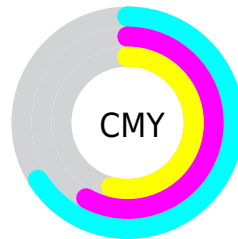


Cyan (26%)

Magenta (10%)

Yellow (0%)

Black (54%)



Cyan (66%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3545, 13.6423, 19.1216 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 12.3545, 13.6423, 19.1216 by changing the saturation by 10% instead.

■ 12.3545, 13.6423,
19.1216

■ 12.3545, 13.6423,
19.1216

■ 200.4606,
214.9941, 259.5643

■ 7.0595, 7.8723,
11.5805

■ 29.7504, 32.4530,
42.7789

■ 3.5460, 4.0133,
6.3396

■ 42.5820, 46.2625,
59.7322

■ 1.4486, 1.6810,
2.9806

■ 58.6566, 63.5206,
80.6599

■ 0.2905, 0.4113,
1.0847

■ 78.3394, 84.6117,
105.9806

■ 0.0000, 0.0000,
0.0000

■ 101.9959,
109.9202, 136.1129

129.9913,

139.8305, 171.4752

162.6911,
174.7270, 212.4862

■ 12.3545, 13.6423,
19.1216

■ 12.3545, 13.6423,
19.1216

■ 10.8835, 12.2041,
18.9217

■ 14.0315, 15.2246,
19.3389

■ 9.6081, 10.9030,
18.7378

■ 15.9219, 16.9544,
19.5731

■ 8.5190, 9.7340,
18.5696

■ 18.0340, 18.8368,
19.8251

■ 7.6053, 8.6909,
18.4164

■ 20.3754, 20.8763,
20.0954

■ 6.8549, 7.7669,
18.2776

■ 22.9534, 23.0771,
20.3843

■ 6.2543, 6.9542,
18.1524

■ 25.7748, 25.4434,
20.6923

■ 5.7760, 6.2382,
18.0394

■ 28.8462, 27.9789,
21.0199

■ 5.6087, 5.9853,
17.9994

■ 32.1740, 30.6876,
21.3673

■ 35.7643, 33.5729,
21.7350

Harmonies

Analogous

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



11.7826, 13.6423, 17.4955



12.3545, 13.6423, 19.1216



13.1117, 13.6423, 19.5584

Triad

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



12.3545, 13.6423, 19.1216



14.5192, 13.6423, 14.4438



12.1136, 13.6423, 11.6223

Complementary

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



12.3545, 13.6423, 19.1216



13.6535, 13.4633, 10.8962

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.



12.8225, 13.6423, 10.9721



12.3545, 13.6423, 19.1216



14.2273, 13.6423, 12.4930

Square

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



12.3545, 13.6423, 19.1216



14.3817, 13.6423, 16.7076



13.5986, 13.6423, 11.2741



11.6475, 13.6423, 13.1431

Rectangle

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



12.3545, 13.6423, 19.1216



13.6244, 13.6423, 19.0821



13.5986, 13.6423, 11.2741



12.3303, 13.6423, 11.3020

Sweetspot

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



12.3549, 13.6429, 19.1219



27.3246, 29.2039, 34.3337



12.6557, 15.8820, 14.1739



6.1837, 6.6247, 7.8818



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.



12.3549, 13.6429, 19.1219



19.9953, 22.3094, 33.3893



10.9091, 10.7513, 18.6400



3.6699, 3.9285, 4.6551



6.0555, 6.4506, 19.4685



28.6596, 29.7359, 94.5894

Inverse Universe

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



13.4812, 11.7088, 15.1858



22.3978, 18.4036, 24.9443



15.2524, 16.6612, 11.4291



3.7694, 3.7351, 4.3126



9.3536, 4.6752, 7.0705



45.1528, 22.6112, 32.1977

Previews

White Background



This preview shows how the XYZ color 12.3545, 13.6423, 19.1216 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 12.3545, 13.6423, 19.1216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

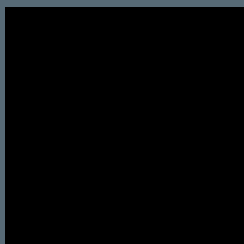
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

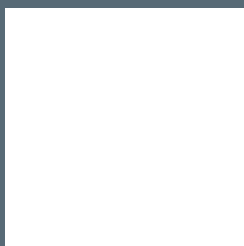
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3545, 13.6423, 19.1216

Background



This preview shows how black text looks on a background with the XYZ color 12.3545, 13.6423, 19.1216.



This preview shows how white text looks on a background with the XYZ color 12.3545, 13.6423,

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

12.3545, 13.6423, 19.1216

Protanopia

13.2706, 13.5304, 18.4352

Deuteranopia

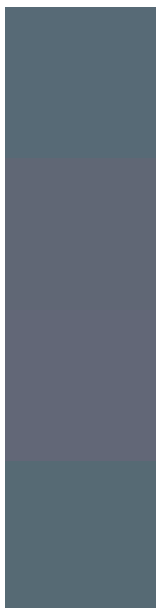
13.8092, 13.6425, 19.3582



Tritanopia

12.0863, 13.5243, 18.1931

Trichromacy



Original Color

12.3545, 13.6423, 19.1216

Protanomaly

12.8850, 13.4716, 18.7508

Deuteranomaly

13.2170, 13.6291, 19.3868

Tritanomaly

12.1442, 13.5475, 18.4979

Monochromacy



Original Color

12.3545, 13.6423, 19.1216

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4868, 13.3246, 16.1011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3545, 13.6423, 19.1216 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, 106, 118)` looks like.

```
.text, #text, p{  
    color:rgb(87, 106, 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(87, 106, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 106, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.3545, 13.6423, 19.1216 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, 106, 118) }
```


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

```
.border{ border-color:rgb(87, 106, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 106, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 106, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 106, 118);  
box-shadow:4px 4px 4px 4px rgb(87, 106,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3545, 13.6423, 19.1216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 106, 118) }
```

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

```
.background{ background-color: rgb(87, 106,  
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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