

Converting Colors

XYZ(11.8759, 12.9284, 19.3886)

Have a look what the booklet for
XYZ(11.8759, 12.9284, 19.3886)
contains.

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Color

**XYZ(11.8362, 12.9172,
19.3222)**

Conversions

Conversions Part 1

Format	Color
Hex	546777
RGB	84, 103, 119
RGB Percent	33%, 40%, 47%
CMY	0.6706, 0.5961, 0.5333
CMYK	0.29, 0.13, 0.00, 0.53
HSL	207°, 17%, 40%
HSV	207°, 29%, 47%
XYZ	11.8362, 12.9172, 19.3222
YIQ	99.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

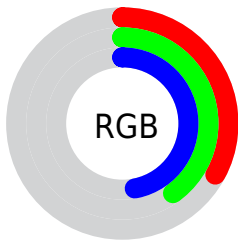
Format	Color
R_{YB}	84, 96, 119
Decimal	5531511
CIE Lab	42.64, -3.06, -11.29
CIE LCh	43, 11.698, 254.813
Yxy	12.9172, 0.2685, 0.2931
Android (android.graphics.Color)	4283721591 (0xFF546777)
YUV	99.1430, 9.7895, -13.2804
Hunter-Lab	35.9405, -4.1109, -6.7169

Details

The XYZ color **11.8362, 12.9172, 19.3222** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7654, 13.6766, 10.3023**, and the grayscale version is **11.8751, 12.4936, 13.6055**.

A 20% lighter version of the original color is **28.7378, 31.1198, 43.0202**, and **3.3145, 3.6766, 6.4962** is the 20% darker color. If you saturate the color by 10%, you get **10.3367, 11.3672, 19.1023**, and if you desaturate by 10%, it is **13.5527, 14.6320, 19.5629**.

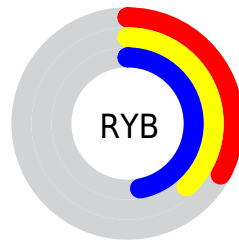
Distribution



Red (33%)

Green (40%)

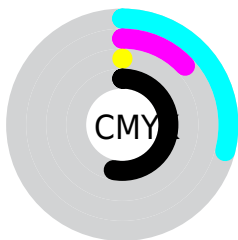
Blue (47%)



Red (33%)

Yellow (38%)

Blue (47%)

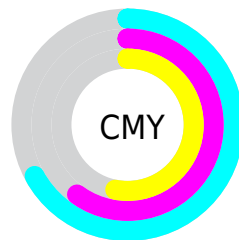


Cyan (29%)

Magenta (13%)

Yellow (0%)

Black (53%)



Cyan (67%)

Magenta (60%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8362, 12.9172, 19.3222 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 11.8362, 12.9172, 19.3222 by changing the saturation by 10% instead.

■ 11.8362, 12.9172,
19.3222

■ 11.8362, 12.9172,
19.3222

197.1100,
210.3863, 260.7035

■ 6.7036, 7.3716,
11.7242

■ 28.8159, 31.1550,
43.1218

■ 3.3221, 3.6955,
6.4359

■ 41.3937, 44.6158,
60.1604

■ 1.3263, 1.5047,
3.0389

■ 57.1840, 61.4839,
81.1829

■ 0.2028, 0.2921,
1.1145

■ 76.5521, 82.1436,
106.6079

■ 0.0000, 0.0000,
0.0000

■ 99.8634, 106.9793,
136.8539

127.4833,

136.3754, 172.3395

159.7770,
170.7163, 213.4832

■ 11.8362, 12.9172,
19.3222

■ 11.8362, 12.9172,
19.3222

■ 10.3367, 11.3672,
19.1023

■ 13.5527, 14.6320,
19.5629

■ 9.0433, 9.9744,
18.9016

■ 15.4941, 16.5156,
19.8242

■ 7.9456, 8.7327,
18.7198

■ 17.6695, 18.5740,
20.1069

■ 7.0320, 7.6352,
18.5561

■ 20.0869, 20.8123,
20.4115

■ 6.2894, 6.6741,
18.4097

■ 22.7541, 23.2353,
20.7386

■ 5.7029, 5.8403,
18.2797

■ 25.6785, 25.8477,
21.0887

■ 5.2245, 5.1082,
18.1636

■ 28.8670, 28.6540,
21.4623

■ 5.1974, 5.0670,
18.1571

■ 32.3264, 31.6585,
21.8599

■ 36.0634, 34.8653,
22.2819

Harmonies

Analogous

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



11.1073, 12.9172, 17.7939



11.8362, 12.9172, 19.3222



12.7184, 12.9172, 19.3324

Triad

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



11.8362, 12.9172, 19.3222



14.0004, 12.9172, 12.8530



11.1147, 12.9172, 10.8776

Complementary

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



11.8362, 12.9172, 19.3222



13.7654, 13.6766, 10.3023

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.



11.8467, 12.9172, 9.8529



11.8362, 12.9172, 19.3222



13.5269, 12.9172, 10.8966

Square

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



11.8362, 12.9172, 19.3222



13.9972, 12.9172, 15.3828



12.7295, 12.9172, 9.8594



10.7046, 12.9172, 12.8240

Rectangle

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



11.8362, 12.9172, 19.3222



13.2766, 12.9172, 18.4660



12.7295, 12.9172, 9.8594



11.3297, 12.9172, 10.4249

Sweetspot

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



11.8366, 12.9177, 19.3225



27.8123, 29.6387, 35.5080



12.5415, 15.9940, 14.4198



6.4857, 6.9229, 8.4011



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.



11.8366, 12.9177, 19.3225



19.4127, 21.3002, 34.3413



10.2942, 9.8329, 18.8084



3.6500, 3.8886, 4.6484



5.5122, 5.3640, 19.2874



25.9965, 24.4096, 93.7017

Inverse Universe

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



13.2266, 11.2423, 14.3053



22.3614, 17.9809, 23.6452



15.5987, 17.3432, 10.9134



3.7593, 3.7310, 4.2594



9.0794, 4.5655, 5.6264



43.8086, 22.0736, 25.1192

Previews

White Background



This preview shows how the XYZ color 11.8362, 12.9172, 19.3222 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 11.8362, 12.9172, 19.3222 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

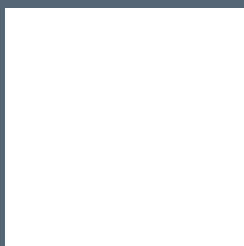
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8362, 12.9172, 19.3222

Background



This preview shows how black text looks on a background with the XYZ color 11.8362, 12.9172, 19.3222.



This preview shows how white text looks on a background with the XYZ color 11.8362, 12.9172,

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

11.8362, 12.9172, 19.3222

Protanopia

12.6978, 12.9401, 18.6581

Deuteranopia

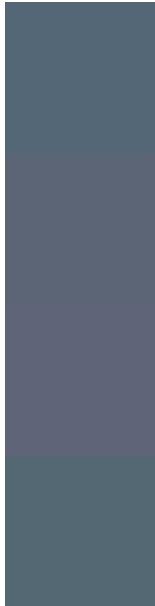
13.1247, 12.8581, 19.5594



Tritanopia

11.4422, 12.9095, 17.2179

Trichromacy



Original Color

11.8362, 12.9172, 19.3222

Protanomaly

12.3373, 12.8907, 18.9774

Deuteranomaly

12.6667, 12.9033, 19.5923

Tritanomaly

11.6121, 12.9774, 18.1125

Monochromacy



Original Color

11.8362, 12.9172, 19.3222

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7748, 12.5346, 15.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8362, 12.9172, 19.3222 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, 103, 119) looks like.

```
.text, #text, p{  
    color:rgb(84, 103, 119)  
}
```

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, 103, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 103, 119) }
```

Border

The CSS property to change the border of an element to XYZ 11.8362, 12.9172, 19.3222 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, 103, 119) }
```


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

```
.border{ border-color:rgb(84, 103, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 103, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 103, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 103, 119);  
box-shadow:4px 4px 4px 4px rgb(84, 103,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8362, 12.9172, 19.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 103, 119) }
```

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

```
.background{ background-color: rgb(84, 103,  
119) }
```

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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