

Converting Colors

XYZ(19.2455, 24.6182, 38.4822)

Have a look what the booklet for
XYZ(19.2455, 24.6182, 38.4822)
contains.

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Color

**XYZ(19.2246, 24.6356,
38.3922)**

Conversions

Conversions Part 1

Format	Color
Hex	4193A3
RGB	65, 147, 163
RGB Percent	25%, 58%, 64%
CMY	0.7451, 0.4235, 0.3608
CMYK	0.60, 0.10, 0.00, 0.36
HSL	190°, 43%, 45%
HSV	190°, 60%, 64%
XYZ	19.2246, 24.6356, 38.3922
YIQ	124.3060, -54.0080, -12.4080

Conversions

Conversions Part 2

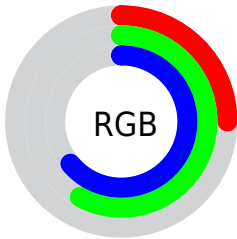
Format	Color
R _Y B	65, 110, 163
Decimal	4297635
CIE Lab	56.72, -19.94, -15.92
CIE LCh	57, 25.515, 218.597
Yxy	24.6356, 0.2337, 0.2995
Android (android.graphics.Color)	4282487715 (0xFF4193A3)
YUV	124.3060, 19.0761, -52.0114
Hunter-Lab	49.6343, -17.7224, -11.1169

Details

The XYZ color **19.2246, 24.6356, 38.3922** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.0015, 14.0539, 6.7131**, and the grayscale version is **19.2123, 20.2129, 22.0118**.

A 20% lighter version of the original color is **41.5676, 50.9728, 73.9776**, and **7.0521, 9.5134, 16.5035** is the 20% darker color. If you saturate the color by 10%, you get **17.8884, 23.3400, 38.2130**, and if you desaturate by 10%, it is **20.8833, 26.1127, 38.5903**.

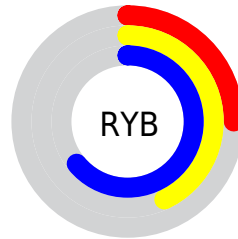
Distribution



Red (25%)

Green (58%)

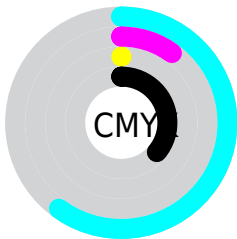
Blue (64%)



Red (25%)

Yellow (43%)

Blue (64%)

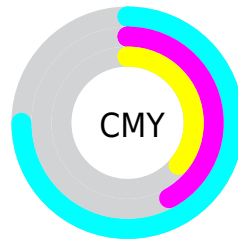


Cyan (60%)

Magenta (10%)

Yellow (0%)

Black (36%)



Cyan (75%)

Magenta (42%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2246, 24.6356, 38.3922 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 19.2246, 24.6356, 38.3922 by changing the saturation by 10% instead.

■ 19.2246, 24.6356,
38.3922

■ 19.2246, 24.6356,
38.3922

240.6003,
276.0183, 354.6479

■ 11.9376, 15.8058,
25.9830

■ 41.6272, 51.0654,
73.9190

■ 6.7731, 9.3868,
16.5853

■ 57.4736, 69.4342,
97.8736

■ 3.3657, 4.9943,
9.7804

■ 76.9038, 91.7515,
126.5139

■ 1.3500, 2.2439,
5.1499

■ 100.2833,
118.4016, 160.2583

■ 0.2202, 0.7438,
2.2752

■ 127.9773,
149.7689, 199.5254

■ 0.0000, 0.0000,
0.7173

160.3512,

■ 0.0000, 0.0000,

186.2379, 244.7336

0.0000

197.7704,
228.1929, 296.3016

■ 19.2246, 24.6356,
38.3922

■ 19.2246, 24.6356,
38.3922

■ 17.8884, 23.3400,
38.2130

■ 20.8833, 26.1127,
38.5903

■ 16.8447, 22.2089,
38.0497

■ 22.8865, 27.7812,
38.8068

■ 16.0618, 21.2261,
37.9013

■ 25.2572, 29.6534,
39.0432

■ 15.4700, 20.3625,
37.7658

■ 28.0153, 31.7400,
39.3006

■ 31.1795, 34.0504,
39.5798

■ 34.7674, 36.5940,
39.8817

■ 38.7951, 39.3790,
40.2069

■ 43.2784, 42.4138,
40.5564

■ 48.2319, 45.7058,
40.9308

Harmonies

Analogous

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



18.2043, 24.6356, 29.3472



19.2246, 24.6356, 38.3922



21.3900, 24.6356, 45.1425

Triad

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



19.2246, 24.6356, 38.3922



29.1530, 24.6356, 33.2550



22.5710, 24.6356, 13.6711

Complementary

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



19.2246, 24.6356, 38.3922



19.0015, 14.0539, 6.7131

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.



25.5647, 24.6356, 14.2833



19.2246, 24.6356, 38.3922



29.5367, 24.6356, 24.4497

Square

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



19.2246, 24.6356, 38.3922



27.1669, 24.6356, 41.7668



28.1748, 24.6356, 17.8498



20.0262, 24.6356, 15.9526

Rectangle

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



19.2246, 24.6356, 38.3922



23.2757, 24.6356, 46.7522



28.1748, 24.6356, 17.8498



23.5557, 24.6356, 13.5572

Sweetspot

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



19.2254, 24.6365, 38.3928



51.1301, 57.5520, 70.4699



16.7148, 27.8936, 12.0355



11.1495, 12.6782, 15.7970



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.2254, 24.6365, 38.3928



31.3805, 41.1172, 68.3386



13.2820, 12.7498, 36.4117



7.1772, 7.8135, 9.0329



12.0508, 15.8811, 29.3600



0.2779, 0.3830, 0.6251

Inverse Universe

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



22.2617, 13.6746, 29.0708



37.5732, 20.6781, 48.8962



23.8699, 23.7907, 8.3359



7.3144, 7.1822, 8.6422



15.2282, 7.4473, 18.9240



0.3324, 0.1615, 0.4632

Previews

White Background



This preview shows how the XYZ color 19.2246, 24.6356, 38.3922 looks on a white 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

Black Background



This preview shows how the XYZ color 19.2246, 24.6356, 38.3922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

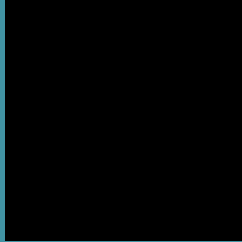
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2246, 24.6356, 38.3922

Background



This preview shows how black text looks on a background with the XYZ color 19.2246, 24.6356, 38.3922.



This preview shows how white text looks on a background with the XYZ color 19.2246, 24.6356,

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

19.2246, 24.6356, 38.3922

Protanopia

23.9572, 24.3223, 34.4423

Deuteranopia

24.8071, 24.2422, 39.4481



Tritanopia

18.9850, 24.7746, 37.0391

Trichromacy



Original Color

19.2246, 24.6356, 38.3922

Protanomaly

21.5885, 24.1220, 35.8659

Deuteranomaly

21.9215, 23.7961, 39.0350

Tritanomaly

19.1373, 24.8430, 37.5048

Monochromacy



Original Color

19.2246, 24.6356, 38.3922

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4322, 21.2211, 27.1694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2246, 24.6356, 38.3922 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(65, 147, 163)` looks like.

```
.text, #text, p{  
    color:rgb(65, 147, 163)  
}
```

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(65, 147, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 147, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.2246, 24.6356, 38.3922 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(65, 147, 163) }
```


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

```
.border{ border-color:rgb(65, 147, 163) }
```

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

Here you see how a box with a 4 pixel rgb(65, 147, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 147, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 147, 163);  
box-shadow:4px 4px 4px 4px rgb(65, 147,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2246, 24.6356, 38.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 147, 163) }
```

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

```
.background{ background-color: rgb(65, 147,  
163) }
```

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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