

Converting Colors

XYZ(12.1523, 19.5206, 10.2050)

Have a look what the booklet for
XYZ(12.1523, 19.5206, 10.2050)
contains.

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Color

**XYZ(12.1730, 19.6123,
10.1652)**

Conversions

Conversions Part 1

Format	Color
Hex	3A8A4D
RGB	58, 138, 77
RGB Percent	23%, 54%, 30%
CMY	0.7725, 0.4588, 0.6980
CMYK	0.58, 0.00, 0.44, 0.46
HSL	134°, 41%, 38%
HSV	134°, 58%, 54%
XYZ	12.1730, 19.6123, 10.1652
YIQ	107.1260, -28.0990, -35.9310

Conversions

Conversions Part 2

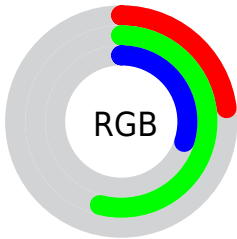
Format	Color
RYB	58, 123, 138
Decimal	3836493
CIELab	51.40, -38.47, 25.47
CIElCh	51, 46.136, 146.490
Yxy	19.6123, 0.2902, 0.4675
Android (android.graphics.Color)	4282026573 (0xFF3A8A4D)
YUV	107.1260, -14.8521, -43.0835
Hunter-Lab	44.2858, -28.4351, 17.3908

Details

The XYZ color **12.1730, 19.6123, 10.1652** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.3247, 9.7618, 18.5301**, and the grayscale version is **14.0561, 14.7881, 16.1042**.

A 20% lighter version of the original color is **29.3625, 42.6763, 26.7685**, and **3.6555, 6.9153, 2.4384** is the 20% darker color. If you saturate the color by 10%, you get **11.1338, 19.1166, 8.3317**, and if you desaturate by 10%, it is **13.4884, 20.2445, 12.3263**.

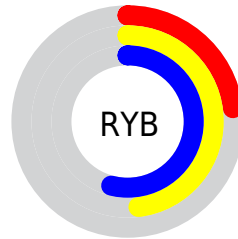
Distribution



Red (23%)

Green (54%)

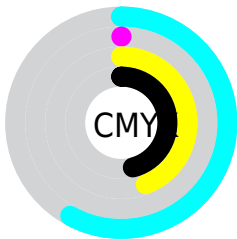
Blue (30%)



Red (23%)

Yellow (48%)

Blue (54%)

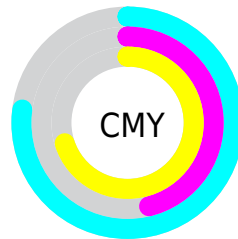


Cyan (58%)

Magenta (0%)

Yellow (44%)

Black (46%)



Cyan (77%)

Magenta (46%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1730, 19.6123, 10.1652 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 12.1730, 19.6123, 10.1652 by changing the saturation by 10% instead.

■ 12.1730, 19.6123,
10.1652

■ 12.1730, 19.6123,
10.1652

199.2939,
249.8085, 202.3746

■ 6.9346, 12.1135,
5.4016

■ 29.4239, 42.7662,
26.7184

■ 3.4672, 6.8211,
2.4219

■ 42.1672, 59.1902,
39.3451

■ 1.4054, 3.3504,
0.7984

■ 58.1429, 79.3579,
55.4299

■ 0.2601, 1.3173,
0.0000

■ 77.7162, 103.6540,
75.3914

■ 0.0000, 0.1545,
0.0000

■ 101.2526,
132.4627, 99.6480

■ 0.0000, 0.0000,
0.0000

129.1175,

166.1684, 128.6184

161.6761,
205.1555, 162.7211

■ 12.1730, 19.6123,
10.1652

■ 12.1730, 19.6123,
10.1652

■ 11.1338, 19.1166,
8.3317

■ 13.4884, 20.2445,
12.3263

■ 10.3488, 18.7449,
6.8085

■ 15.0969, 21.0200,
14.8286

■ 9.7950, 18.4860,
5.5786

■ 17.0158, 21.9479,
17.6865

■ 9.4259, 18.3166,
4.6218

■ 19.2604, 23.0360,
20.9133

■ 9.3602, 18.2862,
4.4587

■ 21.8452, 24.2913,
24.5214

■ 24.7838, 25.7207,
28.5228

■ 28.0889, 27.3304,
32.9289

■ 31.7727, 29.1266,
37.7506

■ 35.8467, 31.1149,
42.9985

Harmonies

Analogous

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



14.9534, 19.6123, 5.7208



12.1730, 19.6123, 10.1652



11.1072, 19.6123, 19.8349

Triad

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



12.1730, 19.6123, 10.1652



18.1025, 19.6123, 58.1323



27.7732, 19.6123, 11.8997

Complementary

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



12.1730, 19.6123, 10.1652



15.3247, 9.7618, 18.5301

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.



28.9851, 19.6123, 22.9497



12.1730, 19.6123, 10.1652



22.8897, 19.6123, 53.1673

Square

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



12.1730, 19.6123, 10.1652



14.1550, 19.6123, 50.3580



27.0700, 19.6123, 38.6998



23.9866, 19.6123, 6.3926

Rectangle

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



12.1730, 19.6123, 10.1652



11.3559, 19.6123, 29.4187



27.0700, 19.6123, 38.6998



28.5196, 19.6123, 14.9176

Sweetspot

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



12.1735, 19.6131, 10.1656



34.2077, 40.7292, 37.2285



17.5065, 22.4289, 7.4098



7.5132, 9.0580, 8.1243



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1735, 19.6131, 10.1656



19.0874, 33.4400, 13.6779



14.0253, 20.3538, 19.9172



5.0174, 5.6264, 5.6126



8.5867, 16.7673, 4.1144



0.0620, 0.1134, 0.0534

Inverse Universe

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



15.3247, 9.7618, 18.5301



25.1842, 14.2852, 29.7904



13.4183, 8.9992, 8.4911



5.1839, 5.1090, 6.0570



11.9641, 5.8957, 12.8470



0.0851, 0.0414, 0.1152

Previews

White Background



This preview shows how the XYZ color 12.1730, 19.6123, 10.1652 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



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 12.1730, 19.6123, 10.1652

Background



This preview shows how black text looks on a background with the XYZ color 12.1730, 19.6123, 10.1652.



This preview shows how white text looks on a background with the XYZ color 12.1730, 19.6123,

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

12.1730, 19.6123, 10.1652

Protanopia

17.7697, 19.3605, 8.7616

Deuteranopia

19.6224, 19.2110, 10.6565



Tritanopia

15.8257, 19.6515, 28.1583

Trichromacy



Original Color

12.1730, 19.6123, 10.1652

Protanomaly

14.8656, 18.9836, 9.1840

Deuteranomaly

15.5950, 18.5719, 10.3522

Tritanomaly

14.2494, 19.6234, 20.1762

Monochromacy



Original Color

12.1730, 19.6123, 10.1652

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.7096, 15.9252, 13.4703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1730, 19.6123, 10.1652 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(58, 138, 77)` looks like.

```
.text, #text, p{  
    color:rgb(58, 138, 77)  
}
```

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(58, 138, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 138, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.1730, 19.6123, 10.1652 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(58, 138, 77) }
```


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

```
.border{ border-color:rgb(58, 138, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 138, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 138, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 138, 77);  
box-shadow:4px 4px 4px 4px rgb(58, 138,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1730, 19.6123, 10.1652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 138, 77) }
```

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

```
.background{ background-color: rgb(58, 138,  
77) }
```

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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