

Converting Colors

XYZ(12.1835, 15.4230, 12.8600)

Have a look what the booklet for
XYZ(12.1835, 15.4230, 12.8600)
contains.

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Color

**XYZ(12.2194, 15.5092,
12.9392)**

Conversions

Conversions Part 1

Format	Color
Hex	56755E
RGB	86, 117, 94
RGB Percent	34%, 46%, 37%
CMY	0.6627, 0.5412, 0.6314
CMYK	0.26, 0.00, 0.20, 0.54
HSL	135°, 15%, 40%
HSV	135°, 26%, 46%
XYZ	12.2194, 15.5092, 12.9392
YIQ	105.1090, -11.0930, -13.7250

Conversions

Conversions Part 2

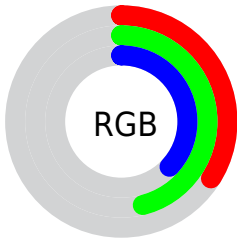
Format	Color
RYB	86, 111, 117
Decimal	5666142
CIELab	46.32, -16.29, 9.13
CIElCh	46, 18.668, 150.733
Yxy	15.5092, 0.3005, 0.3814
Android (android.graphics.Color)	4283856222 (0xFF56755E)
YUV	105.1090, -5.4767, -16.7586
Hunter-Lab	39.3817, -13.5329, 8.0870

Details

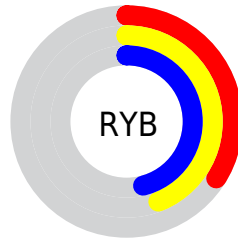
The XYZ color **12.2194, 15.5092, 12.9392** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.4247, 11.5419, 15.9889**, and the grayscale version is **13.4736, 14.1753, 15.4369**.

A 20% lighter version of the original color is **29.3754, 35.6238, 31.7134**, and **3.4983, 4.9010, 3.5579** is the 20% darker color. If you saturate the color by 10%, you get **10.8613, 14.8520, 10.9554**, and if you desaturate by 10%, it is **13.7986, 16.2762, 15.1627**.

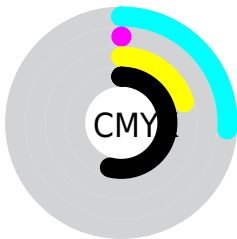
Distribution



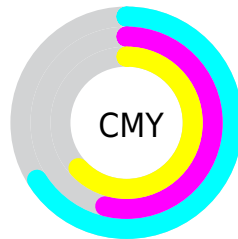
- Red (34%)
- Green (46%)
- Blue (37%)



- Red (34%)
- Yellow (44%)
- Blue (46%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (54%)



- Cyan (66%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2194, 15.5092, 12.9392 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 12.2194, 15.5092, 12.9392 by changing the saturation by 10% instead.

12.2194, 15.5092,
12.9392

12.2194, 15.5092,
12.9392

199.5928,
226.4279, 221.7218

6.9665, 9.1775,
7.2565

29.5075, 35.7440,
31.8841

3.4873, 4.8572,
3.5421

42.2734, 50.4160,
45.9833

1.4164, 2.1637,
1.3777

58.2744, 68.6368,
63.7251

0.2679, 0.7001,
0.1242

77.8758, 90.7909,
85.5281

0.0000, 0.0000,
0.0000

101.4430,
117.2627, 111.8107

129.3413,

148.4365, 142.9914

161.9361,
184.6968, 179.4890

■ 12.2194, 15.5092,
12.9392

■ 12.2194, 15.5092,
12.9392

■ 10.8613, 14.8520,
10.9554

■ 13.7986, 16.2762,
15.1627

■ 9.7129, 14.2976,
9.2024

■ 15.6070, 17.1556,
17.6326

■ 8.7639, 13.8413,
7.6719

■ 17.6538, 18.1526,
20.3565

■ 8.0025, 13.4771,
6.3551

■ 19.9473, 19.2713,
23.3413

■ 7.4156, 13.1986,
5.2423

■ 22.4955, 20.5156,
26.5939

■ 6.9883, 12.9982,
4.3232

■ 25.3060, 21.8893,
30.1205

■ 6.6907, 12.8608,
3.5859

■ 28.3861, 23.3961,
33.9276

■ 6.5985, 12.8180,
3.3677

■ 31.7427, 25.0393,
38.0211

■ 35.3825, 26.8224,
42.4069

Harmonies

Analogous

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



13.2257, 15.5092, 10.3952



12.2194, 15.5092, 12.9392



11.8767, 15.5092, 16.9997

Triad

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



12.2194, 15.5092, 12.9392



14.7804, 15.5092, 27.3048



17.5435, 15.5092, 12.7766

Complementary

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



12.2194, 15.5092, 12.9392



13.4247, 11.5419, 15.9889

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.



18.0324, 15.5092, 16.7746



12.2194, 15.5092, 12.9392



16.3680, 15.5092, 25.6381

Square

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



12.2194, 15.5092, 12.9392



13.2891, 15.5092, 25.7870



17.5877, 15.5092, 21.5655



16.2951, 15.5092, 10.3139

Rectangle

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



12.2194, 15.5092, 12.9392



12.0496, 15.5092, 20.1982



17.5877, 15.5092, 21.5655



17.8060, 15.5092, 13.9588

Sweetspot

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



12.2198, 15.5099, 12.9395



27.3628, 30.4353, 30.7854



14.3791, 16.6624, 11.2625



6.1943, 6.9505, 6.9468



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.



12.2198, 15.5099, 12.9395



20.2966, 27.0046, 20.8722



12.9733, 15.8112, 16.9074



3.6758, 4.1123, 4.1269



7.2639, 14.1196, 3.6798



35.0940, 68.6849, 16.3318

Inverse Universe

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



13.4247, 11.5419, 15.9889



22.8518, 18.5852, 27.3352



12.6735, 11.2414, 12.0330



3.7882, 3.7426, 4.4115



9.9631, 4.9189, 10.2796



48.1888, 23.8256, 48.1850

Previews

White Background



This preview shows how the XYZ color 12.2194, 15.5092, 12.9392 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 12.2194, 15.5092, 12.9392 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 12.2194, 15.5092, 12.9392

Background



This preview shows how black text looks on a background with the XYZ color 12.2194, 15.5092, 12.9392.



This preview shows how white text looks on a background with the XYZ color 12.2194, 15.5092,

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

12.2194, 15.5092, 12.9392

Protanopia

14.5166, 15.3885, 11.8780

Deuteranopia

15.6203, 15.3077, 13.1977



Tritanopia

13.7324, 15.4395, 20.6687

Trichromacy



Original Color

12.2194, 15.5092, 12.9392

Protanomaly

13.5082, 15.3469, 12.1478

Deuteranomaly

14.0897, 15.1430, 13.0068

Tritanomaly

13.0618, 15.3283, 17.5995

Monochromacy



Original Color

12.2194, 15.5092, 12.9392

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8546, 14.4735, 14.4281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2194, 15.5092, 12.9392 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(86, 117, 94) looks like.

```
.text, #text, p{  
    color:rgb(86, 117, 94)  
}
```

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(86, 117, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 117, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.2194, 15.5092, 12.9392 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(86, 117, 94) }
```


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

```
.border{ border-color:rgb(86, 117, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 117, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 117, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 117, 94);  
box-shadow:4px 4px 4px 4px rgb(86, 117,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2194, 15.5092, 12.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 117, 94) }
```

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

```
.background{ background-color: rgb(86, 117,  
94) }
```

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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