

Converting Colors

XYZ(12.2306, 13.5024, 12.5737)

Have a look what the booklet for
XYZ(12.2306, 13.5024, 12.5737)
contains.

XYZ(12.2175, 13.5640, 12.5638)	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(12.2175, 13.5640,
12.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	63695E
RGB	99, 105, 94
RGB Percent	39%, 41%, 37%
CMY	0.6118, 0.5882, 0.6314
CMYK	0.06, 0.00, 0.10, 0.59
HSL	93°, 6%, 39%
HSV	93°, 10%, 41%
XYZ	12.2175, 13.5640, 12.5638
YIQ	101.9520, -0.0450, -4.6930

Conversions

Conversions Part 2

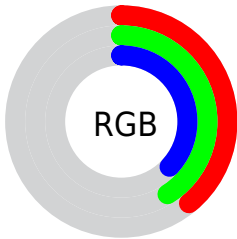
Format	Color
R_{YB}	94, 105, 100
Decimal	6515038
CIE Lab	43.60, -4.56, 5.39
CIE LCh	44, 7.063, 130.232
Yxy	13.5640, 0.3186, 0.3537
Android (android.graphics.Color)	4284705118 (0xFF63695E)
YUV	101.9520, -3.9203, -2.5889
Hunter-Lab	36.8293, -5.2370, 5.5546

Details

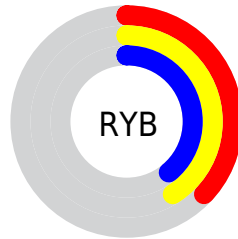
The XYZ color **12.2175, 13.5640, 12.5638** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8087, 11.7350, 15.0081**, and the grayscale version is **12.6270, 13.2846, 14.4669**.

A 20% lighter version of the original color is **29.5002, 32.2746, 31.0603**, and **3.4627, 3.9696, 3.3800** is the 20% darker color. If you saturate the color by 10%, you get **11.1743, 13.0774, 10.2205**, and if you desaturate by 10%, it is **13.3700, 14.1003, 15.2475**.

Distribution



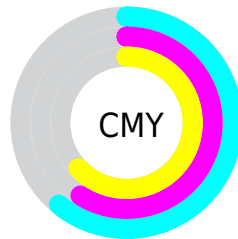
- Red (39%)
- Green (41%)
- Blue (37%)



- Red (37%)
- Yellow (41%)
- Blue (39%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2175, 13.5640, 12.5638 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 12.2175, 13.5640, 12.5638 by changing the saturation by 10% instead.

■ 12.2175, 13.5640,
12.5638

■ 12.2175, 13.5640,
12.5638

199.5806,
214.5013, 219.2116

■ 6.9652, 7.8181,
7.0017

■ 29.5041, 32.3134,
31.1975

■ 3.4865, 3.9787,
3.3847

■ 42.2691, 46.0856,
45.1061

■ 1.4160, 1.6617,
1.2943

■ 58.2690, 63.3021,
62.6341

■ 0.2675, 0.3987,
0.0571

■ 77.8693, 84.3471,
84.1998

■ 0.0000, 0.0000,
0.0000

101.4352,
109.6052, 110.2219

129.3322,

139.4606, 141.1189

161.9255,
174.2979, 177.3093

■ 12.2175, 13.5640,
12.5638

■ 12.2175, 13.5640,
12.5638

■ 11.1743, 13.0774,
10.2205

■ 13.3700, 14.1003,
15.2475

■ 10.2357, 12.6372,
8.2031

■ 14.6341, 14.6861,
18.2834

■ 9.3985, 12.2425,
6.4973

■ 16.0131, 15.3232,
21.6841

■ 8.6588, 11.8916,
5.0877

■ 17.5102, 16.0129,
25.4612

■ 8.0123, 11.5827,
3.9572

■ 19.1283, 16.7566,
29.6256

■ 7.4544, 11.3137,
3.0871

■ 20.8702, 17.5553,
34.1879

■ 6.9801, 11.0827,
2.4566

■ 22.7385, 18.4104,
39.1585

■ 6.5836, 10.8871,
2.0415

■ 24.7359, 19.3229,
44.5471

■ 6.2572, 10.7251,
1.7404

■ 26.8649, 20.2940,
50.3632

Harmonies

Analogous

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



12.7042, 13.5640, 11.9701



12.2175, 13.5640, 12.5638



11.9172, 13.5640, 13.7626

Triad

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



12.2175, 13.5640, 12.5638



12.5359, 13.5640, 17.8242



13.9672, 13.5640, 14.2345

Complementary

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



12.2175, 13.5640, 12.5638



11.8087, 11.7350, 15.0081

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.



13.9190, 13.5640, 15.8230



12.2175, 13.5640, 12.5638



13.0820, 13.5640, 17.9731

Square

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



12.2175, 13.5640, 12.5638



12.0973, 13.5640, 16.8244



13.5912, 13.5640, 17.2180



13.7211, 13.5640, 12.8880

Rectangle

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



12.2175, 13.5640, 12.5638



11.8578, 13.5640, 14.7812



13.5912, 13.5640, 17.2180



13.9850, 13.5640, 14.7566

Sweetspot

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



12.2179, 13.5646, 12.5641



23.3822, 24.9882, 25.9878



12.3910, 12.9008, 12.4268



5.4437, 5.8379, 6.0090



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.2179, 13.5646, 12.5641



21.3154, 24.0262, 21.2195



11.7050, 13.2983, 12.6262



3.1824, 3.5058, 3.3264



7.8802, 13.5576, 2.2015



39.1765, 68.5783, 11.1721

Inverse Universe

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



11.8087, 11.7350, 15.0081



20.3976, 19.9225, 26.7014



12.3600, 12.0214, 14.9357



3.0914, 3.0989, 3.8701



5.3431, 2.3815, 17.1003



26.2140, 11.6134, 87.0862

Previews

White Background



This preview shows how the XYZ color 12.2175, 13.5640, 12.5638 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 12.2175, 13.5640, 12.5638 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

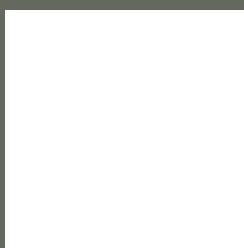
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2175, 13.5640, 12.5638

Background



This preview shows how black text looks on a background with the XYZ color 12.2175, 13.5640, 12.5638.



This preview shows how white text looks on a background with the XYZ color 12.2175, 13.5640,

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

12.2175, 13.5640, 12.5638

Protanopia

12.8894, 13.6166, 12.3048

Deuteranopia

13.7299, 13.4629, 12.7014



Tritanopia

13.1990, 13.6730, 16.9824

Trichromacy



Original Color

12.2175, 13.5640, 12.5638

Protanomaly

12.6350, 13.6340, 12.3216

Deuteranomaly

13.1496, 13.4486, 12.7292

Tritanomaly

12.8669, 13.6873, 15.3283

Monochromacy



Original Color

12.2175, 13.5640, 12.5638

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4692, 13.3680, 13.7275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2175, 13.5640, 12.5638 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(99, 105, 94) looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 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(99, 105, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.2175, 13.5640, 12.5638 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(99, 105, 94) }
```


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

```
.border{ border-color:rgb(99, 105, 94) }
```

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

Here you see how a box with a 4 pixel rgb(99, 105, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2175, 13.5640, 12.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 94) }
```

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

```
.background{ background-color: rgb(99, 105,  
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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