

Converting Colors

XYZ(12.1367, 12.6693, 12.0254)

Have a look what the booklet for
XYZ(12.1367, 12.6693, 12.0254)
contains.

XYZ(12.1025, 12.6394, 11.9270)	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(12.1025, 12.6394,
11.9270)**

Conversions

Conversions Part 1

Format	Color
Hex	68635C
RGB	104, 99, 92
RGB Percent	41%, 39%, 36%
CMY	0.5922, 0.6118, 0.6392
CMYK	0.00, 0.05, 0.12, 0.59
HSL	35°, 6%, 38%
HSV	35°, 12%, 41%
XYZ	12.1025, 12.6394, 11.9270
YIQ	99.6970, 5.2270, -1.1170

Conversions

Conversions Part 2

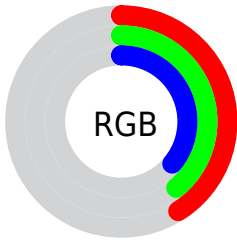
Format	Color
R_{YB}	101, 104, 92
Decimal	6841180
CIE Lab	42.21, 0.62, 4.68
CIE LCh	42, 4.717, 82.459
Yxy	12.6394, 0.3300, 0.3447
Android (android.graphics.Color)	4285031260 (0xFF68635C)
YUV	99.6970, -3.7946, 3.7737
Hunter-Lab	35.5519, -1.4514, 4.9957

Details

The XYZ color **12.1025, 12.6394, 11.9270** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.1870, 11.8240, 14.7894**, and the grayscale version is **12.0447, 12.6719, 13.7997**.

A 20% lighter version of the original color is **29.3064, 30.7342, 29.9789**, and **3.4536, 3.6133, 3.1002** is the 20% darker color. If you saturate the color by 10%, you get **11.2794, 11.6715, 9.5616**, and if you desaturate by 10%, it is **13.0107, 13.6775, 14.6291**.

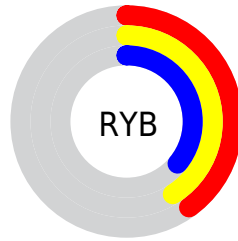
Distribution



Red (41%)

Green (39%)

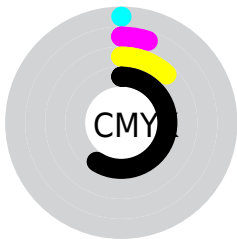
Blue (36%)



Red (40%)

Yellow (41%)

Blue (36%)

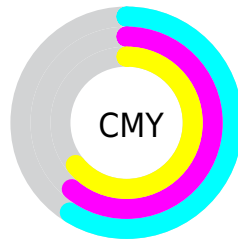


Cyan (0%)

Magenta (5%)

Yellow (12%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1025, 12.6394, 11.9270 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 12.1025, 12.6394, 11.9270 by changing the saturation by 10% instead.

■ 12.1025, 12.6394,
11.9270

■ 12.1025, 12.6394,
11.9270

198.8388,
208.5935, 214.8821

■ 6.8862, 7.1807,
6.5721

■ 29.2969, 30.6544,
30.0245

■ 3.4367, 3.5754,
3.1216

■ 42.0057, 43.9795,
43.6041

■ 1.3887, 1.4390,
1.1570

■ 57.9428, 60.6956,
60.7624

■ 0.2482, 0.2452,
0.0000

■ 77.4734, 81.1869,
81.9178

■ 0.0000, 0.0000,
0.0000

100.9629,
105.8380, 107.4890

128.7768,

135.0332, 137.8944

161.2803,
169.1569, 173.5526

■ 12.1025, 12.6394,
11.9270

■ 12.1025, 12.6394,
11.9270

■ 11.2794, 11.6715,
9.5616

■ 13.0107, 13.6775,
14.6291

■ 10.5376, 10.7703,
7.5185

■ 14.0058, 14.7856,
17.6798

■ 9.8743, 9.9346,
5.7839

■ 15.0906, 15.9660,
21.0913

■ 9.2863, 9.1626,
4.3423

■ 16.2677, 17.2200,
24.8750

■ 8.7700, 8.4523,
3.1768

■ 17.5393, 18.5492,
29.0419

■ 8.3216, 7.8015,
2.2690

■ 18.9078, 19.9549,
33.6024

■ 7.9368, 7.2079,
1.5981

■ 20.3754, 21.4385,
38.5666

■ 7.6103, 6.6687,
1.1388

■ 21.9442, 23.0014,
43.9442

■ 7.3609, 6.2469,
0.8178

■ 23.6162, 24.6447,
49.7446

Harmonies

Analogous

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



12.4309, 12.6394, 12.2804



12.1025, 12.6394, 11.9270



11.7564, 12.6394, 12.0459

Triad

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



12.1025, 12.6394, 11.9270



11.3981, 12.6394, 14.5167



12.5586, 12.6394, 14.9785

Complementary

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



12.1025, 12.6394, 11.9270



11.1870, 11.8240, 14.7894

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.



12.2740, 12.6394, 15.6342



12.1025, 12.6394, 11.9270



11.6053, 12.6394, 15.3586

Square

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



12.1025, 12.6394, 11.9270



11.3542, 12.6394, 13.5091



11.9247, 12.6394, 15.7765



12.6975, 12.6394, 14.0184

Rectangle

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



12.1025, 12.6394, 11.9270



11.5618, 12.6394, 12.3798



11.9247, 12.6394, 15.7765



12.4765, 12.6394, 15.2437

Sweetspot

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



12.1028, 12.6400, 11.9273



22.5699, 23.7063, 24.8929



11.6939, 11.4606, 12.9052



5.4790, 5.7526, 5.9907



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.



12.1028, 12.6400, 11.9273



20.8058, 21.6780, 19.6806



12.4757, 13.5570, 12.0846



2.9495, 3.0865, 3.0147



9.0419, 7.6370, 0.9975



46.2806, 38.0751, 4.9100

Inverse Universe

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



11.1870, 11.8240, 14.7894



18.8381, 19.9250, 25.8301



10.8402, 10.9811, 14.6450



2.7777, 2.9334, 3.5518



4.1287, 3.3292, 16.5693



20.7084, 15.7135, 86.1430

Previews

White Background



This preview shows how the XYZ color 12.1025, 12.6394, 11.9270 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 12.1025, 12.6394, 11.9270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

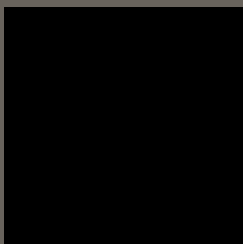
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1025, 12.6394, 11.9270

Background



This preview shows how black text looks on a background with the XYZ color 12.1025, 12.6394, 11.9270.



This preview shows how white text looks on a background with the XYZ color 12.1025, 12.6394,

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

12.1025, 12.6394, 11.9270

Protanopia

11.9871, 12.5800, 11.9216

Deuteranopia

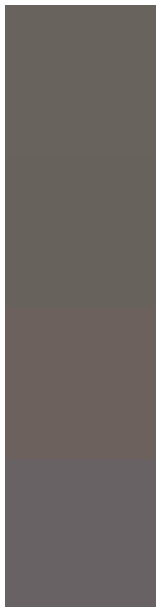
12.8407, 12.6008, 12.1113



Tritanopia

12.7684, 12.6335, 15.1301

Trichromacy



Original Color

12.1025, 12.6394, 11.9270

Protanomaly

11.9871, 12.5800, 11.9216

Deuteranomaly

12.5572, 12.5909, 12.1244

Tritanomaly

12.4936, 12.6587, 13.8415

Monochromacy



Original Color

12.1025, 12.6394, 11.9270

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0817, 12.7441, 13.1323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1025, 12.6394, 11.9270 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(104, 99, 92) looks like.

```
.text, #text, p{  
    color:rgb(104, 99, 92)  
}
```

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(104, 99, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 99, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.1025, 12.6394, 11.9270 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(104, 99, 92) }
```


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

```
.border{ border-color:rgb(104, 99, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 99, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 99, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 99, 92);  
box-shadow:4px 4px 4px 4px rgb(104, 99,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1025, 12.6394, 11.9270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 99, 92) }
```

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

```
.background{ background-color: rgb(104, 99,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor