

Converting Colors

XYZ(12.1511, 14.5866, 12.2279)

Have a look what the booklet for
XYZ(12.1511, 14.5866, 12.2279)
contains.

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Color

**XYZ(12.2401, 14.6882,
12.3152)**

Conversions

Conversions Part 1

Format	Color
Hex	5D705C
RGB	93, 112, 92
RGB Percent	36%, 44%, 36%
CMY	0.6353, 0.5608, 0.6392
CMYK	0.17, 0.00, 0.18, 0.56
HSL	117°, 10%, 40%
HSV	117°, 18%, 44%
XYZ	12.2401, 14.6882, 12.3152
YIQ	104.0390, -4.9040, -10.2480

Conversions

Conversions Part 2

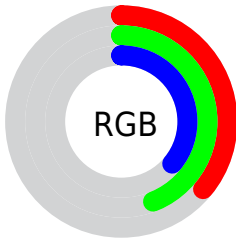
Format	Color
RYB	92, 112, 111
Decimal	6123612
CIELab	45.20, -11.32, 8.80
CIElCh	45, 14.337, 142.121
Yxy	14.6882, 0.3119, 0.3743
Android (android.graphics.Color)	4284313692 (0xFF5D705C)
YUV	104.0390, -5.9352, -9.6812
Hunter-Lab	38.3252, -10.0607, 7.7757

Details

The XYZ color **12.2401, 14.6882, 12.3152** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3080, 12.2041, 16.9842**, and the grayscale version is **13.1852, 13.8718, 15.1064**.

A 20% lighter version of the original color is **29.6595, 34.4332, 30.6742**, and **3.4988, 4.4684, 3.2628** is the 20% darker color. If you saturate the color by 10%, you get **10.7832, 13.9900, 9.8775**, and if you desaturate by 10%, it is **13.9201, 15.4939, 15.1419**.

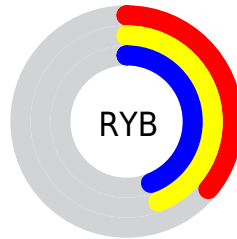
Distribution



Red (36%)

Green (44%)

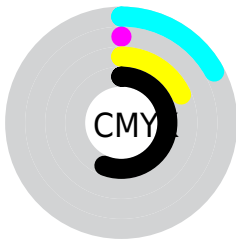
Blue (36%)



Red (36%)

Yellow (44%)

Blue (44%)

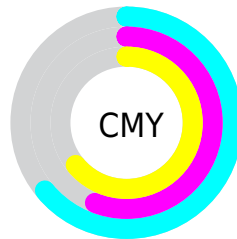


Cyan (17%)

Magenta (0%)

Yellow (18%)

Black (56%)



Cyan (64%)

Magenta (56%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2401, 14.6882, 12.3152 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 12.2401, 14.6882, 12.3152 by changing the saturation by 10% instead.

■ 12.2401, 14.6882,
12.3152

■ 12.2401, 14.6882,
12.3152

199.7260,
221.4711, 217.5324

■ 6.9808, 8.6009,
6.8336

■ 29.5447, 34.3053,
30.7408

■ 3.4963, 4.4818,
3.2814

■ 42.3207, 48.6038,
44.5219

■ 1.4213, 1.9465,
1.2400

■ 58.3330, 66.4081,
61.9066

■ 0.2713, 0.5761,
0.0119

■ 77.9469, 88.1027,
83.3134

■ 0.0000, 0.0000,
0.0000

101.5278,
114.0718, 109.1608

129.4411,

144.7001, 139.8674

162.0520,
180.3717, 175.8518

■ 12.2401, 14.6882,
12.3152

■ 12.2401, 14.6882,
12.3152

■ 10.7832, 13.9900,
9.8775

■ 13.9201, 15.4939,
15.1419

■ 9.5389, 13.3930,
7.8108

■ 15.8308, 16.4093,
18.3726

■ 8.4977, 12.8931,
6.0973

■ 17.9808, 17.4392,
22.0226

■ 7.6486, 12.4851,
4.7172

■ 20.3782, 18.5871,
26.1062

■ 6.9801, 12.1634,
3.6489

■ 23.0303, 19.8568,
30.6369

■ 6.4789, 11.9217,
2.8680

■ 25.9444, 21.2517,
35.6277

■ 6.1302, 11.7532,
2.3468

■ 29.1275, 22.7750,
41.0912

■ 5.9062, 11.6450,
2.0053

■ 32.5861, 24.4299,
47.0392

■ 5.8645, 11.6250,
1.9348

■ 36.3267, 26.2195,
53.4834

Harmonies

Analogous

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



13.1210, 14.6882, 10.6824



12.2401, 14.6882, 12.3152



11.8253, 14.6882, 15.1160

Triad

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



12.2401, 14.6882, 12.3152



13.6510, 14.6882, 23.3580



16.1772, 14.6882, 13.6617

Complementary

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



12.2401, 14.6882, 12.3152



13.3080, 12.2041, 16.9842

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.



16.3389, 14.6882, 16.9032



12.2401, 14.6882, 12.3152



14.8355, 14.6882, 22.8236

Square

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



12.2401, 14.6882, 12.3152



12.6093, 14.6882, 21.7096



15.8354, 14.6882, 20.3384



15.4053, 14.6882, 11.3798

Rectangle

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



12.2401, 14.6882, 12.3152



11.8515, 14.6882, 17.4012



15.8354, 14.6882, 20.3384



16.3064, 14.6882, 14.6628

Sweetspot

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



12.2405, 14.6888, 12.3155



25.3275, 27.6367, 28.0756



14.2990, 15.5871, 12.3804



6.0423, 6.6192, 6.6732



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.2405, 14.6888, 12.3155



20.5127, 25.3289, 19.9752



12.5572, 14.8039, 14.5080



3.3591, 3.7704, 3.6241



6.7734, 13.4355, 2.2363



33.5245, 66.8166, 11.1300

Inverse Universe

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



13.3080, 12.2041, 16.9842



22.7199, 20.1906, 29.6295



12.9579, 12.0787, 14.4809



3.4988, 3.4454, 4.2348



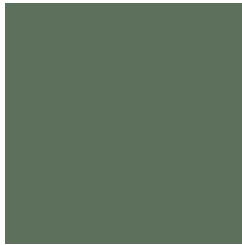
10.3027, 4.9207, 18.1284



51.1015, 24.3981, 90.2951

Previews

White Background



This preview shows how the XYZ color 12.2401, 14.6882, 12.3152 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 12.2401, 14.6882, 12.3152 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

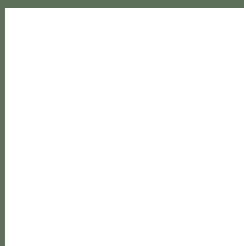
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2401, 14.6882, 12.3152

Background



This preview shows how black text looks on a background with the XYZ color 12.2401, 14.6882, 12.3152.



This preview shows how white text looks on a background with the XYZ color 12.2401, 14.6882,

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

12.2401, 14.6882, 12.3152

Protanopia

13.7673, 14.5400, 11.5321

Deuteranopia

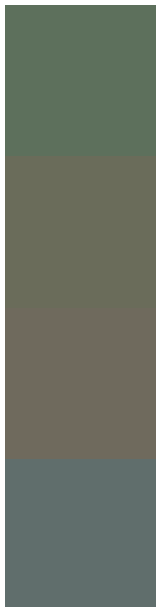
14.8967, 14.6462, 12.6315



Tritanopia

13.6093, 14.7630, 18.9619

Trichromacy



Original Color

12.2401, 14.6882, 12.3152

Protanomaly

13.1519, 14.5275, 11.7838

Deuteranomaly

13.6854, 14.4779, 12.4291

Tritanomaly

13.1066, 14.7214, 16.3381

Monochromacy



Original Color

12.2401, 14.6882, 12.3152

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8135, 14.1448, 14.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2401, 14.6882, 12.3152 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(93, 112, 92) looks like.

```
.text, #text, p{  
    color:rgb(93, 112, 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(93, 112, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 112, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.2401, 14.6882, 12.3152 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(93, 112, 92) }
```


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

```
.border{ border-color:rgb(93, 112, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 112, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 112, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 112, 92);  
box-shadow:4px 4px 4px 4px rgb(93, 112,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2401, 14.6882, 12.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 112, 92) }
```

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

```
.background{ background-color: rgb(93, 112,  
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](#).

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