

Converting Colors

XYZ(12.0223, 14.1978, 12.5349)

Have a look what the booklet for
XYZ(12.0223, 14.1978, 12.5349)
contains.

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Color

**XYZ(12.0659, 14.2693,
12.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6E5D
RGB	93, 110, 93
RGB Percent	36%, 43%, 36%
CMY	0.6353, 0.5686, 0.6353
CMYK	0.15, 0.00, 0.15, 0.57
HSL	120°, 8%, 40%
HSV	120°, 15%, 43%
XYZ	12.0659, 14.2693, 12.4742
YIQ	102.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

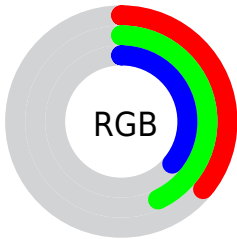
Format	Color
RYB	93, 110, 110
Decimal	6123101
CIELab	44.62, -9.99, 7.38
CIELCh	45, 12.416, 143.556
Yxy	14.2693, 0.3109, 0.3677
Android (android.graphics.Color)	4284313181 (0xFF5D6E5D)
YUV	102.9790, -4.9196, -8.7516
Hunter-Lab	37.7747, -9.0898, 6.8632

Details

The XYZ color **12.0659, 14.2693, 12.4742** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1597, 12.2698, 16.4273**, and the grayscale version is **12.9003, 13.5722, 14.7801**.

A 20% lighter version of the original color is **29.2059, 33.6635, 30.9450**, and **3.4080, 4.2548, 3.3310** is the 20% darker color. If you saturate the color by 10%, you get **10.5789, 13.5555, 10.0417**, and if you desaturate by 10%, it is **13.7840, 15.0950, 15.2841**.

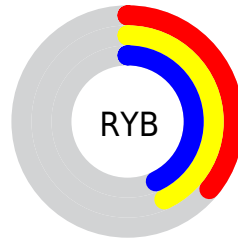
Distribution



Red (36%)

Green (43%)

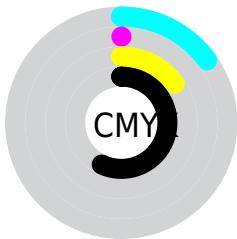
Blue (36%)



Red (36%)

Yellow (43%)

Blue (43%)

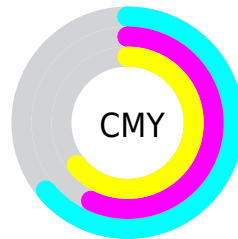


Cyan (15%)

Magenta (0%)

Yellow (15%)

Black (57%)



Cyan (64%)

Magenta (57%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0659, 14.2693, 12.4742 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 12.0659, 14.2693, 12.4742 by changing the saturation by 10% instead.

■ 12.0659, 14.2693,
12.4742

■ 12.0659, 14.2693,
12.4742

198.6021,
218.8998, 218.6080

■ 6.8611, 8.3082,
6.9410

■ 29.2309, 33.5661,
31.0331

■ 3.4209, 4.2928,
3.3474

■ 41.9218, 47.6706,
44.8959

■ 1.3801, 1.8387,
1.2746

■ 57.8387, 65.2584,
62.3723

■ 0.2420, 0.5111,
0.0409

■ 77.3471, 86.7138,
83.8810

■ 0.0000, 0.0000,
0.0000

100.8123,
112.4212, 109.8403

128.5996,

142.7651, 140.6689

161.0744,
178.1298, 176.7853

■ 12.0659, 14.2693,
12.4742

■ 12.0659, 14.2693,
12.4742

■ 10.5789, 13.5555,
10.0417

■ 13.7840, 15.0950,
15.2841

■ 9.3121, 12.9469,
7.9695

■ 15.7412, 16.0351,
18.4855

■ 8.2553, 12.4393,
6.2409

■ 17.9466, 17.0945,
22.0928

■ 7.3972, 12.0271,
4.8373

■ 20.4085, 18.2771,
26.1197

■ 6.7254, 11.7044,
3.7384

■ 23.1347, 19.5866,
30.5790

■ 6.2260, 11.4645,
2.9216

■ 26.1329, 21.0268,
35.4831

■ 5.8834, 11.2999,
2.3612

■ 29.4102, 22.6011,
40.8437

■ 5.6662, 11.1956,
2.0059

■ 32.9736, 24.3128,
46.6723

■ 5.5762, 11.1524,
1.8587

■ 36.8299, 26.1651,
52.9800

Harmonies

Analogous

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



12.8044, 14.2693, 10.9937



12.0659, 14.2693, 12.4742



11.7306, 14.2693, 14.9237

Triad

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



12.0659, 14.2693, 12.4742



13.3467, 14.2693, 21.7142



15.4132, 14.2693, 13.4273

Complementary

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



12.0659, 14.2693, 12.4742



13.1597, 12.2698, 16.4273

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.



15.5759, 14.2693, 16.1666



12.0659, 14.2693, 12.4742



14.3500, 14.2693, 21.1855

Square

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



12.0659, 14.2693, 12.4742



12.4461, 14.2693, 20.4305



15.1781, 14.2693, 19.0637



14.7438, 14.2693, 11.4946

Rectangle

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



12.0659, 14.2693, 12.4742



11.7685, 14.2693, 16.8712



15.1781, 14.2693, 19.0637



15.5303, 14.2693, 14.2747

Sweetspot

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



12.0663, 14.2699, 12.4745



24.3105, 26.5587, 27.0111



13.9827, 15.2579, 12.5642



5.6181, 6.1616, 6.2217



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.0663, 14.2699, 12.4745



20.0840, 24.5285, 20.0979



12.4641, 14.4290, 14.5693



3.3451, 3.7632, 3.6234



6.6984, 13.3969, 2.2328



33.3679, 66.7358, 11.1227

Inverse Universe

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



13.1597, 12.2698, 16.4273



22.4431, 20.2133, 28.6259



12.7187, 12.0934, 14.1051



3.5144, 3.4535, 4.2356



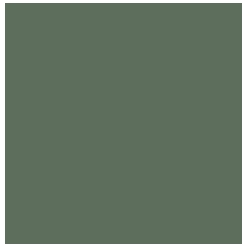
11.1060, 5.3348, 18.1659



55.3238, 26.5748, 90.4922

Previews

White Background



This preview shows how the XYZ color 12.0659, 14.2693, 12.4742 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 12.0659, 14.2693, 12.4742 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 12.0659, 14.2693, 12.4742

Background



This preview shows how black text looks on a background with the XYZ color 12.0659, 14.2693, 12.4742.



This preview shows how white text looks on a background with the XYZ color 12.0659, 14.2693,

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

12.0659, 14.2693, 12.4742

Protanopia

13.4526, 14.2208, 11.7087

Deuteranopia

14.4247, 14.2509, 12.8169



Tritanopia

13.2820, 14.2946, 18.2788

Trichromacy



Original Color

12.0659, 14.2693, 12.4742

Protanomaly

12.8549, 14.2138, 11.9635

Deuteranomaly

13.5024, 14.2263, 12.6240

Tritanomaly

12.8403, 14.2735, 15.9882

Monochromacy



Original Color

12.0659, 14.2693, 12.4742

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5518, 13.8616, 13.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0659, 14.2693, 12.4742 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, 110, 93) looks like.

```
.text, #text, p{  
    color:rgb(93, 110, 93)  
}
```

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, 110, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 110, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.0659, 14.2693, 12.4742 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, 110, 93) }
```


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

```
.border{ border-color:rgb(93, 110, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 110, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 110, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 110, 93);  
box-shadow:4px 4px 4px 4px rgb(93, 110,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0659, 14.2693, 12.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 110, 93) }
```

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

```
.background{ background-color: rgb(93, 110,  
93) }
```

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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