

Converting Colors

XYZ(12.2088, 14.9563, 12.6154)

Have a look what the booklet for
XYZ(12.2088, 14.9563, 12.6154)
contains.

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Color

**XYZ(12.2095, 14.9986,
12.6074)**

Conversions

Conversions Part 1

Format	Color
Hex	5A725D
RGB	90, 114, 93
RGB Percent	35%, 45%, 36%
CMY	0.6471, 0.5529, 0.6353
CMYK	0.21, 0.00, 0.18, 0.55
HSL	128°, 12%, 40%
HSV	128°, 21%, 45%
XYZ	12.2095, 14.9986, 12.6074
YIQ	104.4300, -7.5630, -11.6190

Conversions

Conversions Part 2

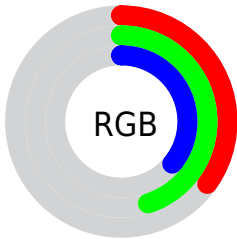
Format	Color
RYB	90, 111, 114
Decimal	5927517
CIELab	45.63, -13.37, 8.78
CIELCh	46, 15.998, 146.706
Yxy	14.9986, 0.3067, 0.3767
Android (android.graphics.Color)	4284117597 (0xFF5A725D)
YUV	104.4300, -5.6350, -12.6551
Hunter-Lab	38.7280, -11.4997, 7.8085

Details

The XYZ color **12.2095, 14.9986, 12.6074** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.4653, 12.0377, 16.6533**, and the grayscale version is **13.2899, 13.9820, 15.2264**.

A 20% lighter version of the original color is **29.4094, 34.8311, 31.1596**, and **3.5000, 4.6371, 3.3999** is the 20% darker color. If you saturate the color by 10%, you get **10.7712, 14.3053, 10.3823**, and if you desaturate by 10%, it is **13.8764, 15.8039, 15.1447**.

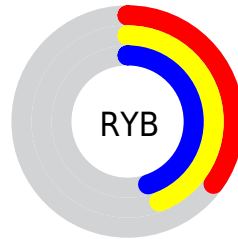
Distribution



Red (35%)

Green (45%)

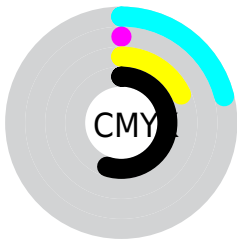
Blue (36%)



Red (35%)

Yellow (44%)

Blue (45%)

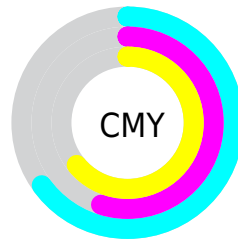


Cyan (21%)

Magenta (0%)

Yellow (18%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2095, 14.9986, 12.6074 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 12.2095, 14.9986, 12.6074 by changing the saturation by 10% instead.

■ 12.2095, 14.9986,
12.6074

■ 12.2095, 14.9986,
12.6074

199.5291,
223.3577, 219.5047

■ 6.9597, 8.8184,
7.0312

■ 29.4897, 34.8507,
31.2774

■ 3.4830, 4.6229,
3.4029

■ 42.2508, 49.2914,
45.2083

■ 1.4141, 2.0278,
1.3039

■ 58.2463, 67.2545,
62.7613

■ 0.2662, 0.6235,
0.0649

■ 77.8418, 89.1242,
84.3547

■ 0.0000, 0.0000,
0.0000

■ 101.4024,
115.2849, 110.4072

129.2936,

146.1212, 141.3374

161.8807,
182.0173, 177.5637

■ 12.2095, 14.9986,
12.6074

■ 12.2095, 14.9986,
12.6074

■ 10.7712, 14.3053,
10.3823

■ 13.8764, 15.8039,
15.1447

■ 9.5503, 13.7173,
8.4565

■ 15.7799, 16.7239,
18.0047

■ 8.5366, 13.2300,
6.8174

■ 17.9294, 17.7635,
21.1983

■ 7.7185, 12.8376,
5.4514

■ 20.3331, 18.9269,
24.7361

■ 7.0831, 12.5339,
4.3436

■ 22.9991, 20.2178,
28.6277

■ 6.6163, 12.3119,
3.4776

■ 25.9348, 21.6401,
32.8827

■ 6.3017, 12.1636,
2.8355

■ 29.1477, 23.1974,
37.5101

■ 6.0986, 12.0676,
2.4323

■ 32.6448, 24.8929,
42.5187

■ 36.4327, 26.7301,
47.9170

Harmonies

Analogous

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



13.1293, 14.9986, 10.5882



12.2095, 14.9986, 12.6074



11.8360, 14.9986, 15.9108

Triad

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



12.2095, 14.9986, 12.6074



14.1083, 14.9986, 24.8570



16.6825, 14.9986, 13.2353

Complementary

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



12.2095, 14.9986, 12.6074



13.4653, 12.0377, 16.6533

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.



16.9846, 14.9986, 16.7584



12.2095, 14.9986, 12.6074



15.4448, 14.9986, 23.8460

Square

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



12.2095, 14.9986, 12.6074



12.8882, 14.9986, 23.3047



16.5187, 14.9986, 20.7237



15.7167, 14.9986, 10.9089

Rectangle

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



12.2095, 14.9986, 12.6074



11.9285, 14.9986, 18.5444



16.5187, 14.9986, 20.7237



16.8675, 14.9986, 14.3010

Sweetspot

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



12.2099, 14.9992, 12.6077



25.9696, 28.5371, 29.0028



14.4441, 16.1661, 12.0320



5.9709, 6.5827, 6.6548



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.



12.2099, 14.9992, 12.6077



20.2465, 25.7735, 20.2930



12.7737, 15.2248, 15.5767



3.3605, 3.7694, 3.7046



6.7845, 13.4313, 2.6862



33.6142, 66.8343, 12.4196

Inverse Universe

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



13.4653, 12.0377, 16.6533



22.8499, 19.6307, 28.6818



12.8577, 11.7946, 13.4538



3.4973, 3.4466, 4.1457



10.2679, 4.9995, 13.7526



50.9313, 24.8179, 67.3618

Previews

White Background



This preview shows how the XYZ color 12.2095, 14.9986, 12.6074 looks on a white background.

Color Contrast Check

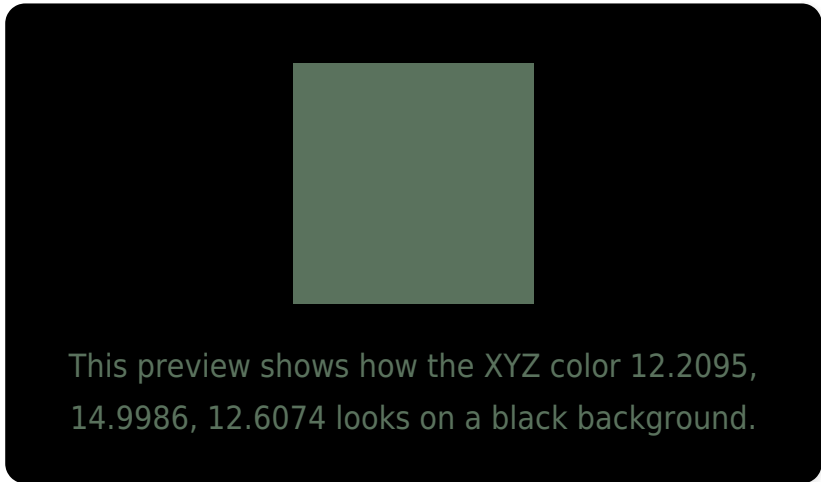
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.2095, 14.9986, 12.6074

Background



This preview shows how black text looks on a background with the XYZ color 12.2095, 14.9986, 12.6074.



This preview shows how white text looks on a background with the XYZ color 12.2095, 14.9986,

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

12.2095, 14.9986, 12.6074

Protanopia

14.1475, 15.0407, 11.8304

Deuteranopia

15.1843, 14.9378, 12.9095



Tritanopia

13.6250, 14.9167, 19.6139

Trichromacy



Original Color

12.2095, 14.9986, 12.6074

Protanomaly

13.2900, 14.9104, 12.0751

Deuteranomaly

13.9385, 14.9128, 12.7335

Tritanomaly

13.0131, 14.8218, 16.9269

Monochromacy



Original Color

12.2095, 14.9986, 12.6074

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8084, 14.2979, 14.1413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2095, 14.9986, 12.6074 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(90, 114, 93) looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 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(90, 114, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.2095, 14.9986, 12.6074 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(90, 114, 93) }
```


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

```
.border{ border-color:rgb(90, 114, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 114, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 93);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2095, 14.9986, 12.6074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 114, 93) }
```

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

```
.background{ background-color: rgb(90, 114,  
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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