

Converting Colors

XYZ(12.2804, 12.5606, 3.5666)

Have a look what the booklet for
XYZ(12.2804, 12.5606, 3.5666)
contains.

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Color

**XYZ(12.2625, 12.4924,
3.5152)**

Conversions

Conversions Part 1

Format	Color
Hex	786025
RGB	120, 96, 37
RGB Percent	47%, 38%, 15%
CMY	0.5294, 0.6235, 0.8549
CMYK	0.00, 0.20, 0.69, 0.53
HSL	43°, 53%, 31%
HSV	43°, 69%, 47%
XYZ	12.2625, 12.4924, 3.5152
YIQ	96.4500, 33.2430, -13.2610

Conversions

Conversions Part 2

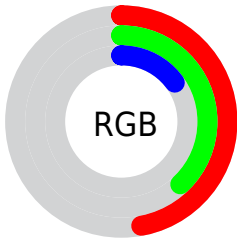
Format	Color
R_{YB}	71, 120, 37
Decimal	7888933
CIE Lab	41.99, 2.70, 36.30
CIE LCh	42, 36.396, 85.747
Yxy	12.4924, 0.4338, 0.4419
Android (android.graphics.Color)	4286079013 (0xFF786025)
YUV	96.4500, -29.3088, 20.6533
Hunter-Lab	35.3446, 0.0760, 18.8445

Details

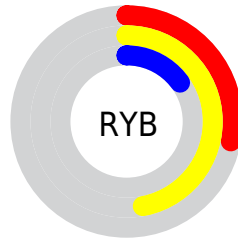
The XYZ color **12.2625, 12.4924, 3.5152** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.8217, 5.0866, 18.4441**, and the grayscale version is **11.2915, 11.8796, 12.9369**.

A 20% lighter version of the original color is **29.5978, 30.3276, 12.8882**, and **3.5948, 3.5464, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **11.7947, 11.8104, 2.5778**, and if you desaturate by 10%, it is **12.8068, 13.2283, 4.7842**.

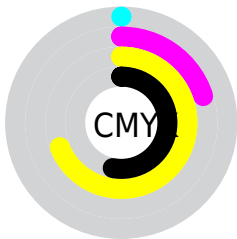
Distribution



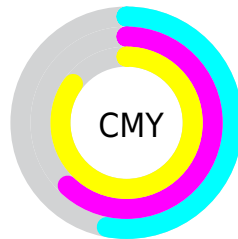
- Red (47%)
- Green (38%)
- Blue (15%)



- Red (28%)
- Yellow (47%)
- Blue (15%)



- Cyan (0%)
- Magenta (20%)
- Yellow (69%)
- Black (53%)



- Cyan (53%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2625, 12.4924, 3.5152 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 12.2625, 12.4924, 3.5152 by changing the saturation by 10% instead.

■ 12.2625, 12.4924,
3.5152

■ 12.2625, 12.4924,
3.5152

199.8701,
207.6384, 142.6740

■ 6.9962, 7.0800,
1.3633

■ 29.5850, 30.3888,
12.8753

■ 3.5060, 3.5122,
0.1129

■ 42.3719, 43.6415,
20.9206

■ 1.4267, 1.4046,
0.0000

■ 58.3964, 60.2765,
31.7674

■ 0.2751, 0.2201,
0.0000

■ 78.0239, 80.6781,
45.8344

■ 0.0000, 0.0000,
0.0000

■ 101.6196,
105.2306, 63.5399

■ 129.5490,

134.3186, 85.3027

162.1773,
168.3264, 111.5412

12.2625, 12.4924,
3.5152

12.2625, 12.4924,
3.5152

11.7947, 11.8104,
2.5778

12.8068, 13.2283,
4.7842

11.3961, 11.1777,
1.9377

13.4325, 14.0190,
6.4130

11.0467, 10.5864,
1.4899

14.1448, 14.8672,
8.4277

11.0183, 10.5383,
1.4534

14.9485, 15.7751,
10.8516

15.8476, 16.7447,
13.7063

■ 16.8463, 17.7777,
17.0118

■ 17.9482, 18.8761,
20.7869

■ 19.1567, 20.0413,
25.0493

■ 20.4753, 21.2750,
29.8157

Harmonies

Analogous

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



15.0390, 12.4924, 4.6476



12.2625, 12.4924, 3.5152



9.7600, 12.4924, 4.1296

Triad

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



12.2625, 12.4924, 3.5152



7.7876, 12.4924, 21.1293



16.6977, 12.4924, 23.7935

Complementary

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



12.2625, 12.4924, 3.5152



5.8217, 5.0866, 18.4441

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.



14.2724, 12.4924, 31.8493



12.2625, 12.4924, 3.5152



9.1869, 12.4924, 29.9459

Square

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



12.2625, 12.4924, 3.5152



7.4158, 12.4924, 12.5299



11.4931, 12.4924, 34.4452



17.8338, 12.4924, 14.7338

Rectangle

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



12.2625, 12.4924, 3.5152



8.5324, 12.4924, 5.6462



11.4931, 12.4924, 34.4452



15.9899, 12.4924, 26.8248

Sweetspot

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



12.2628, 12.4930, 3.5154



27.4865, 29.0407, 22.8577



9.2740, 5.6630, 5.1474



6.4302, 6.7926, 5.1491



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.2628, 12.4930, 3.5154



20.3196, 20.1093, 3.8140



12.6898, 16.4736, 4.2613



4.2145, 4.4474, 4.2608



12.0080, 11.4719, 1.5814



56.5212, 53.2059, 7.2908

Inverse Universe

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



5.8217, 5.0866, 18.4441



8.2206, 6.2515, 32.0265



5.5517, 3.4525, 18.1429



3.8833, 4.0649, 5.0231



4.3331, 2.7487, 19.6875



20.0238, 11.8201, 93.6959

Previews

White Background



This preview shows how the XYZ color 12.2625, 12.4924, 3.5152 looks on a white background.

Color Contrast Check

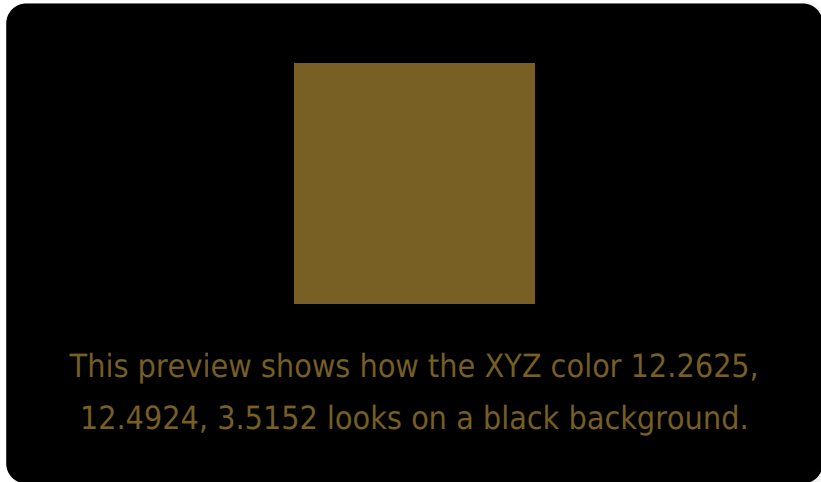
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2625, 12.4924, 3.5152

Background



This preview shows how black text looks on a background with the XYZ color 12.2625, 12.4924, 3.5152.



This preview shows how white text looks on a background with the XYZ color 12.2625, 12.4924,

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

12.2625, 12.4924, 3.5152

Protanopia

11.3672, 12.4431, 3.6364

Deuteranopia

12.6647, 12.4304, 3.5655



Tritanopia

14.1260, 12.4605, 12.9699

Trichromacy



Original Color

12.2625, 12.4924, 3.5152

Protanomaly

11.6570, 12.4527, 3.6229

Deuteranomaly

12.6104, 12.5353, 3.5886

Tritanomaly

13.2655, 12.3732, 8.3457

Monochromacy



Original Color

12.2625, 12.4924, 3.5152

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.2786, 11.8770, 8.3547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2625, 12.4924, 3.5152 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(120, 96, 37)` looks like.

```
.text, #text, p{  
    color:rgb(120, 96, 37)  
}
```

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(120, 96, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 96, 37) }
```

Border

The CSS property to change the border of an element to XYZ 12.2625, 12.4924, 3.5152 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(120, 96, 37) }
```


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

```
.border{ border-color:rgb(120, 96, 37) }
```

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

Here you see how a box with a 4 pixel rgb(120, 96, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 96, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 96, 37);  
box-shadow:4px 4px 4px 4px rgb(120, 96,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2625, 12.4924, 3.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 96, 37) }
```

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

```
.background{ background-color: rgb(120, 96,  
37) }
```

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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