

Converting Colors

XYZ(12.0188, 12.6250, 3.4667)

Have a look what the booklet for
XYZ(12.0188, 12.6250, 3.4667)
contains.

XYZ(12.0222, 12.6446, 3.4761)	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(12.0222, 12.6446,
3.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	756224
RGB	117, 98, 36
RGB Percent	46%, 38%, 14%
CMY	0.5412, 0.6157, 0.8588
CMYK	0.00, 0.16, 0.69, 0.54
HSL	46°, 53%, 30%
HSV	46°, 69%, 46%
XYZ	12.0222, 12.6446, 3.4761
YIQ	96.6130, 31.2260, -15.2540

Conversions

Conversions Part 2

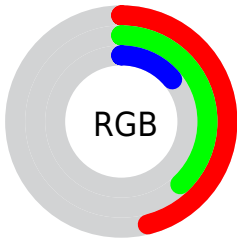
Format	Color
R_{YB}	61, 117, 36
Decimal	7692836
CIE _{Lab}	42.22, 0.03, 36.94
CIE _{LCh}	42, 36.938, 89.958
Yxy	12.6446, 0.4272, 0.4493
Android (android.graphics.Color)	4285882916 (0xFF756224)
YUV	96.6130, -29.8822, 17.8794
Hunter-Lab	35.5592, -1.8797, 19.0956

Details

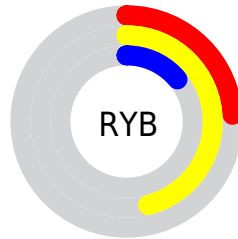
The XYZ color **12.0222, 12.6446, 3.4761** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.3046, 4.3917, 17.3976**, and the grayscale version is **11.3331, 11.9234, 12.9845**.

A 20% lighter version of the original color is **28.9847, 30.4778, 12.7427**, and **3.4748, 3.6142, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **11.6197, 12.0803, 2.6000**, and if you desaturate by 10%, it is **12.4926, 13.2511, 4.6635**.

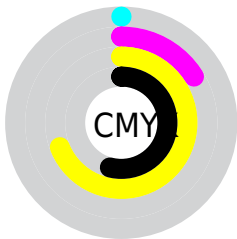
Distribution



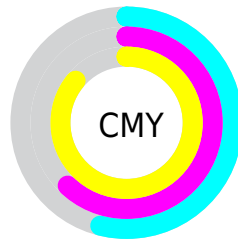
- Red (46%)
- Green (38%)
- Blue (14%)



- Red (24%)
- Yellow (46%)
- Blue (14%)



- Cyan (0%)
- Magenta (16%)
- Yellow (69%)
- Black (54%)



- Cyan (54%)
- Magenta (62%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0222, 12.6446, 3.4761 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 12.0222, 12.6446, 3.4761 by changing the saturation by 10% instead.

■ 12.0222, 12.6446,
3.4761

■ 12.0222, 12.6446,
3.4761

198.3191,
208.6272, 142.2110

■ 6.8311, 7.1843,
1.3426

■ 29.1520, 30.6638,
12.7822

■ 3.4021, 3.5776,
0.0963

■ 41.8215, 43.9915,
20.7919

■ 1.3698, 1.4402,
0.0000

■ 57.7144, 60.7104,
31.5974

■ 0.2345, 0.2461,
0.0000

■ 77.1962, 81.2049,
45.6173

■ 0.0000, 0.0000,
0.0000

■ 100.6323,
105.8595, 63.2700

■ 128.3878,

135.0584, 84.9742

160.8283,
169.1862, 111.1483

12.0222, 12.6446,
3.4761

12.0222, 12.6446,
3.4761

11.6197, 12.0803,
2.6000

12.4926, 13.2511,
4.6635

11.2781, 11.5538,
2.0031

13.0352, 13.9003,
6.1886

10.9779, 11.0576,
1.5816

13.6550, 14.5947,
8.0758

10.9552, 11.0201,
1.5497

14.3562, 15.3362,
10.3471

15.1427, 16.1264,
13.0227

■ 16.0182, 16.9670,
16.1215

■ 16.9861, 17.8594,
19.6609

■ 18.0497, 18.8051,
23.6576

■ 19.2119, 19.8053,
28.1274

Harmonies

Analogous

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



14.8756, 12.6446, 4.3572



12.0222, 12.6446, 3.4761



9.5583, 12.6446, 4.3520

Triad

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



12.0222, 12.6446, 3.4761



7.9820, 12.6446, 22.8372



17.2223, 12.6446, 22.8642

Complementary

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



12.0222, 12.6446, 3.4761



5.3046, 4.3917, 17.3976

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.



14.8679, 12.6446, 31.5793



12.0222, 12.6446, 3.4761



9.5525, 12.6446, 31.5599

Square

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



12.0222, 12.6446, 3.4761



7.4543, 12.6446, 13.7567



12.0144, 12.6446, 35.2443



18.1445, 12.6446, 13.7790

Rectangle

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



12.0222, 12.6446, 3.4761



8.3962, 12.6446, 6.1221



12.0144, 12.6446, 35.2443



16.5560, 12.6446, 26.0428

Sweetspot

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



12.0225, 12.6452, 3.4764



26.7766, 28.5426, 22.1454



8.6870, 5.3317, 4.3450



6.0866, 6.4928, 4.8526



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.0225, 12.6452, 3.4764



20.4333, 21.0667, 3.9672



11.5829, 15.3775, 4.0269



3.8974, 4.1277, 3.9336



12.0583, 12.1178, 1.7034



58.0828, 57.6940, 8.0748

Inverse Universe

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



5.3046, 4.3917, 17.3976



7.5802, 5.3280, 30.7659



5.4868, 3.3942, 17.1954



3.5639, 3.7165, 4.6198



3.9699, 2.2795, 18.7733



18.7836, 9.9838, 91.2973

Previews

White Background



This preview shows how the XYZ color 12.0222, 12.6446, 3.4761 looks on a white background.

Color Contrast Check

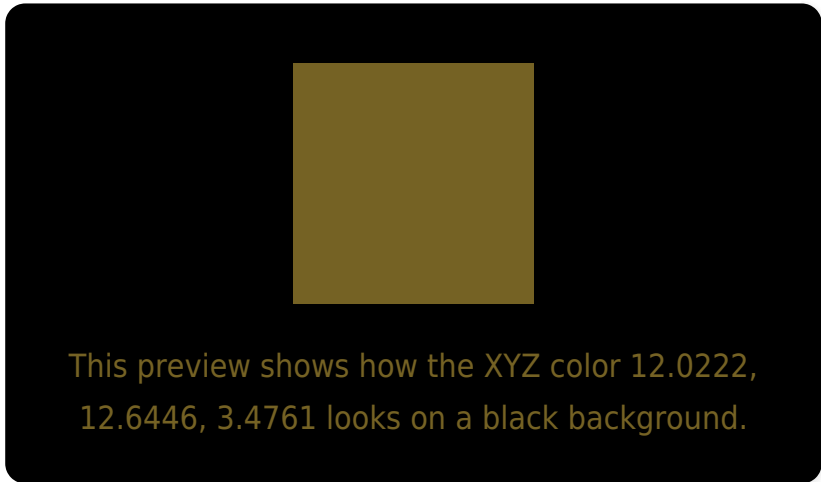
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0222, 12.6446, 3.4761

Background



This preview shows how black text looks on a background with the XYZ color 12.0222, 12.6446, 3.4761.



This preview shows how white text looks on a background with the XYZ color 12.0222, 12.6446,

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

12.0222, 12.6446, 3.4761

Protanopia

11.5732, 12.6927, 3.5902

Deuteranopia

12.8836, 12.6780, 3.5183



Tritanopia

14.1053, 12.6927, 13.5109

Trichromacy



Original Color

12.0222, 12.6446, 3.4761

Protanomaly

11.7352, 12.6347, 3.5705

Deuteranomaly

12.5428, 12.6369, 3.5283

Tritanomaly

13.0529, 12.5203, 8.5662

Monochromacy



Original Color

12.0222, 12.6446, 3.4761

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2536, 12.0004, 8.3798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0222, 12.6446, 3.4761 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(117, 98, 36)` looks like.

```
.text, #text, p{  
    color:rgb(117, 98, 36)  
}
```

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(117, 98, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 98, 36) }
```

Border

The CSS property to change the border of an element to XYZ 12.0222, 12.6446, 3.4761 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(117, 98, 36) }
```


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

```
.border{ border-color:rgb(117, 98, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 98, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 98, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 98, 36);  
box-shadow:4px 4px 4px 4px rgb(117, 98,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0222, 12.6446, 3.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 98, 36) }
```

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

```
.background{ background-color: rgb(117, 98,  
36) }
```

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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