

Converting Colors

XYZ(12.1753, 12.0505, 6.5385)

Have a look what the booklet for
XYZ(12.1753, 12.0505, 6.5385)
contains.

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Color

**XYZ(12.2642, 12.1575,
6.5507)**

Conversions

Conversions Part 1

Format	Color
Hex	755E40
RGB	117, 94, 64
RGB Percent	46%, 37%, 25%
CMY	0.5412, 0.6314, 0.7490
CMYK	0.00, 0.20, 0.45, 0.54
HSL	34°, 29%, 35%
HSV	34°, 45%, 46%
XYZ	12.2642, 12.1575, 6.5507
YIQ	97.4570, 23.3380, -4.4540

Conversions

Conversions Part 2

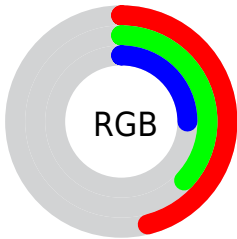
Format	Color
R_{YB}	105, 117, 64
Decimal	7691840
CIE _{Lab}	41.47, 4.96, 20.71
CIE _{LCh}	41, 21.297, 76.519
Yxy	12.1575, 0.3960, 0.3925
Android (android.graphics.Color)	4285881920 (0xFF755E40)
YUV	97.4570, -16.4943, 17.1392
Hunter-Lab	34.8676, 1.7666, 13.2683

Details

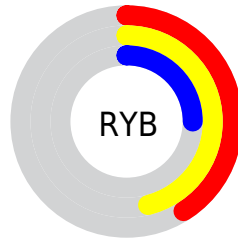
The XYZ color **12.2642, 12.1575, 6.5507** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7332, 9.1902, 18.1431**, and the grayscale version is **11.5105, 12.1100, 13.1878**.

A 20% lighter version of the original color is **29.4755, 29.6624, 19.5011**, and **3.4980, 3.3577, 1.1256** is the 20% darker color. If you saturate the color by 10%, you get **11.5290, 11.1651, 4.8319**, and if you desaturate by 10%, it is **13.0996, 13.2384, 8.6479**.

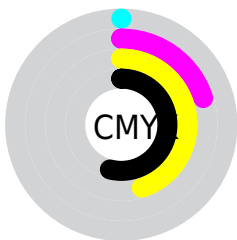
Distribution



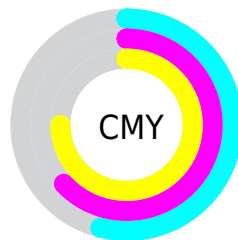
- Red (46%)
- Green (37%)
- Blue (25%)



- Red (41%)
- Yellow (46%)
- Blue (25%)



- Cyan (0%)
- Magenta (20%)
- Yellow (45%)
- Black (54%)



- Cyan (54%)
- Magenta (63%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2642, 12.1575, 6.5507 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 12.2642, 12.1575, 6.5507 by changing the saturation by 10% instead.

12.2642, 12.1575,
6.5507

12.2642, 12.1575,
6.5507

199.8810,
205.4452, 173.3631

6.9974, 6.8510,
3.1086

29.5881, 29.7816,
19.5607

3.5068, 3.3691,
1.1503

42.3758, 42.8681,
29.9657

1.4271, 1.3273,
0.0000

58.4013, 59.3167,
43.5287

0.2754, 0.1622,
0.0000

78.0297, 79.5118,
60.6683

0.0000, 0.0000,
0.0000

101.6266,
103.8378, 81.8029

129.5572,

132.6791, 107.3513

162.1868,
166.4201, 137.7318

■ 12.2642, 12.1575,
6.5507

■ 12.2642, 12.1575,
6.5507

■ 11.5290, 11.1651,
4.8319

■ 13.0996, 13.2384,
8.6479

■ 10.8881, 10.2566,
3.4674

■ 14.0389, 14.4088,
11.1441

■ 10.3363, 9.4295,
2.4313

■ 15.0866, 15.6718,
14.0594

■ 9.8674, 8.6802,
1.6940

■ 16.2466, 17.0298,
17.4122

■ 9.4710, 8.0036,
1.2036

■ 17.5229, 18.4853,
21.2198

■ 9.2979, 7.7057,
0.9973

■ 18.9189, 20.0403,
25.4987

■ 20.4381, 21.6971,
30.2643

■ 22.0838, 23.4578,
35.5316

■ 23.8590, 25.3242,
41.3147

Harmonies

Analogous

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



13.7301, 12.1575, 7.9594



12.2642, 12.1575, 6.5507



10.7284, 12.1575, 6.6243

Triad

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



12.2642, 12.1575, 6.5507



8.9269, 12.1575, 15.8159



13.8558, 12.1575, 20.0230

Complementary

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



12.2642, 12.1575, 6.5507



8.7332, 9.1902, 18.1431

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.



12.4237, 12.1575, 23.2237



12.2642, 12.1575, 6.5507



9.6233, 12.1575, 20.4476

Square

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



12.2642, 12.1575, 6.5507



8.8925, 12.1575, 11.3455



10.8743, 12.1575, 23.3945



14.7029, 12.1575, 15.3288

Rectangle

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



12.2642, 12.1575, 6.5507



9.8708, 12.1575, 7.4941



10.8743, 12.1575, 23.3945



13.4214, 12.1575, 21.3509

Sweetspot

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



12.2645, 12.1581, 6.5509



27.2018, 28.2843, 25.7051



10.9247, 8.1509, 10.1975



6.1756, 6.4098, 5.6872



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.



12.2645, 12.1581, 6.5509



20.6333, 19.9772, 8.6259



14.2717, 16.6935, 7.3206



3.8399, 4.0128, 3.9144



10.2289, 8.4590, 1.0936



48.9827, 39.4939, 5.0414

Inverse Universe

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



8.7332, 9.1902, 18.1431



13.4807, 13.9714, 32.1232



7.3352, 6.1322, 17.6265



3.6192, 3.8270, 4.6382



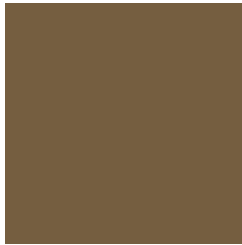
4.8158, 3.9712, 19.0553



22.6478, 17.7121, 92.5854

Previews

White Background



This preview shows how the XYZ color 12.2642, 12.1575, 6.5507 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 12.2642, 12.1575, 6.5507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

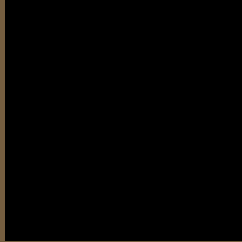
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2642, 12.1575, 6.5507

Background



This preview shows how black text looks on a background with the XYZ color 12.2642, 12.1575, 6.5507.



This preview shows how white text looks on a background with the XYZ color 12.2642, 12.1575,

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

12.2642, 12.1575, 6.5507

Protanopia

11.2949, 12.1929, 6.9124

Deuteranopia

12.3993, 12.2271, 6.5570



Tritanopia

13.5596, 12.1685, 12.9433

Trichromacy



Original Color

12.2642, 12.1575, 6.5507

Protanomaly

11.6592, 12.2460, 6.7502

Deuteranomaly

12.3993, 12.2271, 6.5570

Tritanomaly

12.9885, 12.0600, 10.2376

Monochromacy



Original Color

12.2642, 12.1575, 6.5507

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5315, 11.9647, 10.2960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2642, 12.1575, 6.5507 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, 94, 64)` looks like.

```
.text, #text, p{  
    color:rgb(117, 94, 64)  
}
```

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, 94, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 94, 64) }
```

Border

The CSS property to change the border of an element to XYZ 12.2642, 12.1575, 6.5507 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, 94, 64) }
```


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

```
.border{ border-color:rgb(117, 94, 64) }
```

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

Here you see how a box with a 4 pixel rgb(117, 94, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 94, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 94, 64);  
box-shadow:4px 4px 4px 4px rgb(117, 94,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2642, 12.1575, 6.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 94, 64) }
```

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

```
.background{ background-color: rgb(117, 94,  
64) }
```

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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