

Converting Colors

XYZ(12.3636, 12.7506, 6.6603)

Have a look what the booklet for
XYZ(12.3636, 12.7506, 6.6603)
contains.

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Color

**XYZ(12.3633, 12.7504,
6.6599)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 736240 |
| RGB | 115, 98, 64 |
| RGB Percent | 45%, 38%, 25% |
| CMY | 0.5490, 0.6157, 0.7490 |
| CMYK | 0.00, 0.15, 0.44, 0.55 |
| HSL | 40°, 28%, 35% |
| HSV | 40°, 44%, 45% |
| XYZ | 12.3633, 12.7504, 6.6599 |
| YIQ | 99.2070, 21.0460, -6.9700 |

Conversions

Conversions Part 2

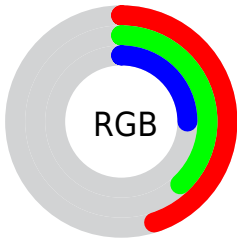
| Format | Color |
|-------------------------------------|--|
| RYB | 90, 115, 64 |
| Decimal | 7561792 |
| CIELab | 42.38, 1.68, 21.86 |
| CIELCh | 42, 21.927, 85.604 |
| Yxy | 12.7504, 0.3891, 0.4013 |
| Android (android.graphics.Color) | 4285751872 (0xFF736240) |
| YUV | 99.2070, -17.3571, 13.8505 |
| Hunter-Lab | 35.7077, -0.6853, 13.9371 |

Details

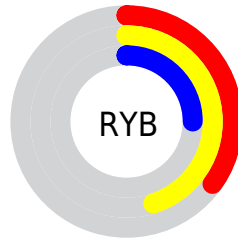
The XYZ color **12.3633, 12.7504, 6.6599** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1511, 8.2122, 17.3750**, and the grayscale version is **11.9509, 12.5733, 13.6923**.

A 20% lighter version of the original color is **29.8205, 30.9896, 19.7391**, and **3.5342, 3.6303, 1.1763** is the 20% darker color. If you saturate the color by 10%, you get **11.7193, 11.9331, 4.9939**, and if you desaturate by 10%, it is **13.0927, 13.6302, 8.6877**.

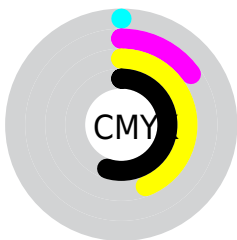
Distribution



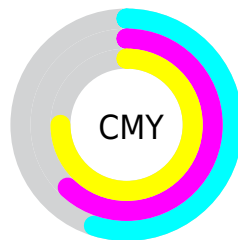
- Red (45%)
- Green (38%)
- Blue (25%)



- Red (35%)
- Yellow (45%)
- Blue (25%)



- Cyan (0%)
- Magenta (15%)
- Yellow (44%)
- Black (55%)





- Cyan (55%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3633, 12.7504, 6.6599 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 12.3633, 12.7504, 6.6599 by changing the saturation by 10% instead.


 12.3633, 12.7504,
6.6599


 12.3633, 12.7504,
6.6599


200.5170,
209.3118, 174.3293

 7.0656, 7.2569,
3.1751


 29.7662, 30.8546,
19.7868


 3.5498, 3.6233,
1.1847

 42.6021, 44.2342,
30.2659


 1.4508, 1.4651,
0.0000

 58.6814, 61.0111,
43.9136

 0.2920, 0.2640,
0.0000

 78.3696, 81.5700,
61.1484

 0.0000, 0.0000,
0.0000

 102.0318,
106.2951, 82.3889

 130.0336,

135.5708, 108.0535

162.7402,
169.7816, 138.5608

■ 12.3633, 12.7504,
6.6599

■ 12.3633, 12.7504,
6.6599

■ 11.7193, 11.9331,
4.9939

■ 13.0927, 13.6302,
8.6877

■ 11.1552, 11.1745,
3.6668

■ 13.9104, 14.5728,
11.0966

■ 10.6665, 10.4727,
2.6544

■ 14.8207, 15.5806,
13.9058

■ 10.2477, 9.8251,
1.9286

■ 15.8271, 16.6554,
17.1327

■ 9.8903, 9.2281,
1.4466

■ 16.9328, 17.7989,
20.7936

■ 9.7013, 8.9071,
1.2079

■ 18.1411, 19.0127,
24.9042

■ 19.4548, 20.2983,
29.4791

■ 20.8770, 21.6572,
34.5326

■ 22.4103, 23.0908,
40.0780

Harmonies

Analogous

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



13.9979, 12.7504, 7.6620



12.3633, 12.7504, 6.6599



10.8008, 12.7504, 7.2036

Triad

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



12.3633, 12.7504, 6.6599



9.4808, 12.7504, 18.1841



14.9251, 12.7504, 19.6644

Complementary

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



12.3633, 12.7504, 6.6599



8.1511, 8.2122, 17.3750

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.



13.5400, 12.7504, 23.7765



12.3633, 12.7504, 6.6599



10.4160, 12.7504, 22.7950

Square

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



12.3633, 12.7504, 6.6599



9.2269, 12.7504, 13.1992



11.8777, 12.7504, 25.0351



15.5596, 12.7504, 14.5901

Rectangle

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



12.3633, 12.7504, 6.6599



9.9935, 12.7504, 8.4542



11.8777, 12.7504, 25.0351



14.5261, 12.7504, 21.2463

Sweetspot

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



12.3636, 12.7510, 6.6602



26.7130, 28.0884, 25.4479



10.3888, 7.9058, 8.7631



6.2979, 6.6195, 5.8351



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.



12.3636, 12.7510, 6.6602



20.9809, 21.3623, 8.9303



13.0595, 15.7264, 7.1978



3.8687, 4.0704, 3.9241



11.0706, 10.1425, 1.3742



53.1372, 47.8029, 6.4262

Inverse Universe

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



8.1511, 8.2122, 17.3750



12.4199, 12.1475, 30.7346



7.6379, 6.3017, 17.0333



3.5911, 3.7709, 4.6288



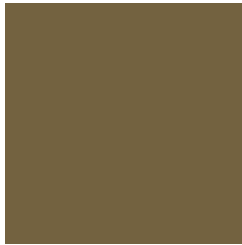
4.3234, 2.9866, 18.8912



20.3546, 13.1257, 91.8210

Previews

White Background



This preview shows how the XYZ color 12.3633, 12.7504, 6.6599 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 12.3633, 12.7504, 6.6599 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 12.3633, 12.7504, 6.6599

Background



This preview shows how black text looks on a background with the XYZ color 12.3633, 12.7504, 6.6599.



This preview shows how white text looks on a background with the XYZ color 12.3633, 12.7504,

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

12.3633, 12.7504, 6.6599

Protanopia

11.8180, 12.7472, 6.8386

Deuteranopia

12.9934, 12.8009, 6.6365



Tritanopia

13.8711, 12.6902, 14.0303

Trichromacy



Original Color

12.3633, 12.7504, 6.6599

Protanomaly

11.9715, 12.6848, 6.8185

Deuteranomaly

12.8079, 12.8415, 6.6541

Tritanomaly

13.3249, 12.7406, 10.9894

Monochromacy



Original Color

12.3633, 12.7504, 6.6599

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9673, 12.5988, 10.6052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3633, 12.7504, 6.6599 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(115, 98, 64)` looks like.

```
.text, #text, p{  
    color:rgb(115, 98, 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(115, 98, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 98, 64) }
```

Border

The CSS property to change the border of an element to XYZ 12.3633, 12.7504, 6.6599 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(115, 98, 64) }
```


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

```
.border{ border-color:rgb(115, 98, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 98, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 98, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 98, 64);  
box-shadow:4px 4px 4px 4px rgb(115, 98,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3633, 12.7504, 6.6599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 98, 64) }
```

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

```
.background{ background-color: rgb(115, 98,  
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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