

Converting Colors

XYZ(12.7946, 12.6317, 17.3785)

Have a look what the booklet for
XYZ(12.7946, 12.6317, 17.3785)
contains.

XYZ(12.7348, 12.5664, 17.3771)	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(12.7348, 12.5664,
17.3771)**

Conversions

Conversions Part 1

Format	Color
Hex	666171
RGB	102, 97, 113
RGB Percent	40%, 38%, 44%
CMY	0.6000, 0.6196, 0.5569
CMYK	0.10, 0.14, 0.00, 0.56
HSL	259°, 8%, 41%
HSV	259°, 14%, 44%
XYZ	12.7348, 12.5664, 17.3771
YIQ	100.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

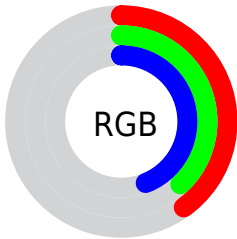
Format	Color
R_{YB}	102, 97, 113
Decimal	6709617
CIE _{Lab}	42.10, 5.41, -8.31
CIE _{LCh}	42, 9.914, 303.069
Yxy	12.5664, 0.2984, 0.2944
Android (android.graphics.Color)	4284899697 (0xFF666171)
YUV	100.3190, 6.2517, 1.4742
Hunter-Lab	35.4491, 2.0887, -4.2495

Details

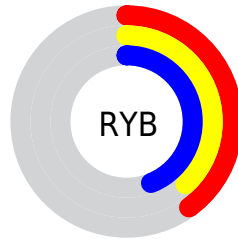
The XYZ color **12.7348, 12.5664, 17.3771** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2475, 15.8617, 13.6205**, and the grayscale version is **12.1798, 12.8141, 13.9545**.

A 20% lighter version of the original color is **30.5183, 30.6687, 39.9085**, and **3.7135, 3.5615, 5.4927** is the 20% darker color. If you saturate the color by 10%, you get **10.9246, 10.1924, 17.0145**, and if you desaturate by 10%, it is **14.7770, 15.2816, 17.7937**.

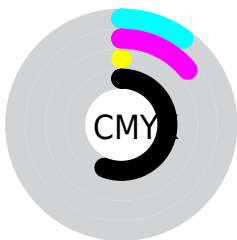
Distribution



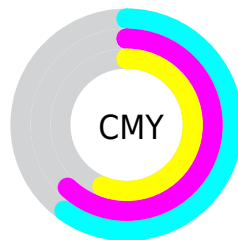
- Red (40%)
- Green (38%)
- Blue (44%)



- Red (40%)
- Yellow (38%)
- Blue (44%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7348, 12.5664, 17.3771 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 12.7348, 12.5664, 17.3771 by changing the saturation by 10% instead.

■ 12.7348, 12.5664,
17.3771

■ 12.7348, 12.5664,
17.3771

202.8831,
208.1198, 249.4533

■ 7.3219, 7.1307,
10.3389

■ 30.4319, 30.5226,
39.7725

■ 3.7123, 3.5439,
5.5157

■ 43.4468, 43.8118,
55.9668

■ 1.5407, 1.4219,
2.4889

■ 59.7265, 60.4876,
76.0503

■ 0.3533, 0.2328,
0.8343

■ 79.6362, 80.9345,
100.4414

■ 0.0000, 0.0000,
0.0000

103.5414,
105.5367, 129.5587

131.8074,

134.6787, 163.8208

164.7995,
168.7450, 203.6461

■ 12.7348, 12.5664,
17.3771

■ 12.7348, 12.5664,
17.3771

■ 10.9246, 10.1924,
17.0145

■ 14.7770, 15.2816,
17.7937

■ 9.3368, 8.1442,
16.7028

■ 17.0583, 18.3492,
18.2656

■ 7.9628, 6.4077,
16.4401

■ 19.5865, 21.7820,
18.7950

■ 6.7928, 4.9673,
16.2237

■ 22.3691, 25.5915,
19.3836

■ 5.8163, 3.8058,
16.0510

■ 25.4130, 29.7890,
20.0334

■ 5.0217, 2.9041,
15.9188

■ 28.7249, 34.3850,
20.7459

■ 4.3963, 2.2408,
15.8237

■ 32.3114, 39.3898,
21.5229

■ 3.9214, 1.7836,
15.7605

■ 36.1786, 44.8132,
22.3659

■ 3.6843, 1.5550,
15.7289

■ 40.3326, 50.6647,
23.2764

Harmonies

Analogous

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



12.0201, 12.5664, 18.1533



12.7348, 12.5664, 17.3771



13.2538, 12.5664, 15.6063

Triad

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



12.7348, 12.5664, 17.3771



12.5980, 12.5664, 10.3711



10.5828, 12.5664, 13.9013

Complementary

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



12.7348, 12.5664, 17.3771



14.2475, 15.8617, 13.6205

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.



10.7235, 12.5664, 11.9240



12.7348, 12.5664, 17.3771



11.8682, 12.5664, 10.0138

Square

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



12.7348, 12.5664, 17.3771



13.1725, 12.5664, 11.5836



11.1866, 12.5664, 10.5529



10.7943, 12.5664, 16.0211

Rectangle

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



12.7348, 12.5664, 17.3771



13.4081, 12.5664, 14.1788



11.1866, 12.5664, 10.5529



10.5905, 12.5664, 13.1983

Sweetspot

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



12.7352, 12.5669, 17.3774



26.4804, 27.3904, 31.8667



13.2945, 14.5014, 17.7213



6.0689, 6.2608, 7.3583



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.



12.7352, 12.5669, 17.3774



21.6905, 21.0351, 30.8925



13.6612, 13.0443, 17.4207



3.3066, 3.3464, 4.2258



4.1602, 1.7541, 17.8409



19.9261, 8.3267, 88.8361

Inverse Universe

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



13.7919, 13.1433, 15.9979



23.9844, 22.2870, 27.8657



13.3409, 15.3943, 13.5781



3.4722, 3.4366, 4.0132



9.2633, 4.5977, 8.4625



45.7432, 22.7426, 40.0416

Previews

White Background



This preview shows how the XYZ color 12.7348, 12.5664, 17.3771 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 12.7348, 12.5664, 17.3771 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 12.7348, 12.5664, 17.3771

Background



This preview shows how black text looks on a background with the XYZ color 12.7348, 12.5664, 17.3771.



This preview shows how white text looks on a background with the XYZ color 12.7348, 12.5664,

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

12.7348, 12.5664, 17.3771

Protanopia

12.4289, 12.6800, 17.7120

Deuteranopia

12.8488, 12.6252, 17.3825



Tritanopia

12.3360, 12.5427, 15.4065

Trichromacy



Original Color

12.7348, 12.5664, 17.3771

Protanomaly

12.5505, 12.6029, 17.6907

Deuteranomaly

12.8488, 12.6252, 17.3825

Tritanomaly

12.4948, 12.6062, 16.2427

Monochromacy



Original Color

12.7348, 12.5664, 17.3771

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3785, 12.7103, 15.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7348, 12.5664, 17.3771 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(102, 97, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 97, 113)  
}
```

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(102, 97, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 97, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.7348, 12.5664, 17.3771 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(102, 97, 113) }
```


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

```
.border{ border-color:rgb(102, 97, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 97, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 97, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 97, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 97,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7348, 12.5664, 17.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 97, 113) }
```

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

```
.background{ background-color: rgb(102, 97,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor