

Converting Colors

XYZ(13.0335, 12.6440, 17.1651)

Have a look what the booklet for
XYZ(13.0335, 12.6440, 17.1651)
contains.

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Color

**XYZ(12.9332, 12.5389,
17.0678)**

Conversions

Conversions Part 1

Format	Color
Hex	696070
RGB	105, 96, 112
RGB Percent	41%, 38%, 44%
CMY	0.5882, 0.6235, 0.5608
CMYK	0.06, 0.14, 0.00, 0.56
HSL	274°, 8%, 41%
HSV	274°, 14%, 44%
XYZ	12.9332, 12.5389, 17.0678
YIQ	100.5150, 0.2280, 6.8840

Conversions

Conversions Part 2

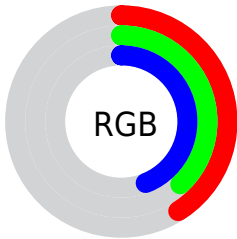
Format	Color
R_{YB}	105, 96, 112
Decimal	6905968
CIE _{Lab}	42.06, 6.91, -7.73
CIE _{LCh}	42, 10.374, 311.798
Yxy	12.5389, 0.3040, 0.2948
Android (android.graphics.Color)	4285096048 (0xFF696070)
YUV	100.5150, 5.6621, 3.9333
Hunter-Lab	35.4103, 3.2270, -3.7906

Details

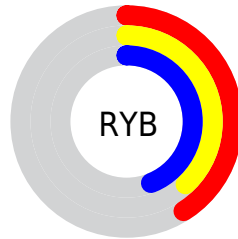
The XYZ color **12.9332, 12.5389, 17.0678** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4995, 15.3168, 13.3120**, and the grayscale version is **12.2311, 12.8680, 14.0133**.

A 20% lighter version of the original color is **30.8449, 30.6157, 39.4057**, and **3.8109, 3.5509, 5.3350** is the 20% darker color. If you saturate the color by 10%, you get **11.4243, 10.3509, 16.7252**, and if you desaturate by 10%, it is **14.6217, 15.0363, 17.4610**.

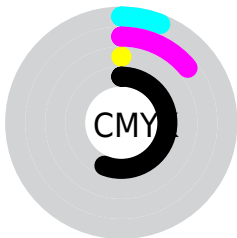
Distribution



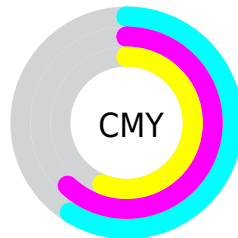
- Red (41%)
- Green (38%)
- Blue (44%)



- Red (41%)
- Yellow (38%)
- Blue (44%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9332, 12.5389, 17.0678 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 12.9332, 12.5389, 17.0678 by changing the saturation by 10% instead.

■ 12.9332, 12.5389,
17.0678

■ 12.9332, 12.5389,
17.0678

204.1354,
207.9410, 247.6200

■ 7.4592, 7.1118,
10.1204

■ 30.7861, 30.4729,
39.2346

■ 3.7998, 3.5321,
5.3722

■ 43.8957, 43.7485,
55.2910

■ 1.5895, 1.4154,
2.4047

■ 60.2812, 60.4092,
75.2208

■ 0.3856, 0.2281,
0.7890

■ 80.3081, 80.8392,
99.4426

■ 0.0000, 0.0000,
0.0000

104.3415,
105.4230, 128.3748

132.7470,

134.5450, 162.4361

165.8898,
168.5895, 202.0450

■ 12.9332, 12.5389,
17.0678

■ 12.9332, 12.5389,
17.0678

■ 11.4243, 10.3509,
16.7252

■ 14.6217, 15.0363,
17.4610

■ 10.0871, 8.4581,
16.4303

■ 16.4949, 17.8533,
17.9061

■ 8.9148, 6.8477,
16.1813

■ 18.5591, 21.0016,
18.4049

■ 7.8999, 5.5052,
15.9756

■ 20.8202, 24.4918,
18.9594

■ 7.0340, 4.4148,
15.8108

■ 23.2834, 28.3341,
19.5712

6.3078, 3.5590,
15.6839

25.9541, 32.5381,
20.2420

5.7109, 2.9178,
15.5916

28.8372, 37.1133,
20.9731

5.2272, 2.4600,
15.5287

31.9377, 42.0686,
21.7662

4.9742, 2.2264,
15.4970

35.2602, 47.4127,
22.6226

Harmonies

Analogous

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



12.2234, 12.5389, 18.2433



12.9332, 12.5389, 17.0678



13.3819, 12.5389, 15.0220

Triad

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



12.9332, 12.5389, 17.0678



12.3868, 12.5389, 10.0045



10.5252, 12.5389, 14.5391

Complementary

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



12.9332, 12.5389, 17.0678



13.4995, 15.3168, 13.3120

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.



10.5647, 12.5389, 12.3693



12.9332, 12.5389, 17.0678



11.6174, 12.5389, 9.9051

Square

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



12.9332, 12.5389, 17.0678



13.0572, 12.5389, 11.0146



10.9571, 12.5389, 10.7266



10.8468, 12.5389, 16.6816

Rectangle

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



12.9332, 12.5389, 17.0678



13.4614, 12.5389, 13.5200



10.9571, 12.5389, 10.7266



10.4970, 12.5389, 13.7863

Sweetspot

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



12.9336, 12.5394, 17.0681



25.7424, 26.4983, 30.6877



12.6192, 13.3975, 17.2503



6.1377, 6.2962, 7.3615



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.



12.9336, 12.5394, 17.0681



21.8492, 20.7553, 29.7844



13.7456, 12.9632, 16.8746



3.3803, 3.3843, 4.2293



5.7239, 2.5602, 17.9141



27.5102, 12.2364, 89.1910

Inverse Universe

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



13.3136, 12.7904, 14.5998



22.6601, 21.2901, 24.5489



12.7669, 14.9348, 13.4709



3.4395, 3.4235, 3.8410



8.3548, 4.2343, 3.6781



41.2003, 20.9255, 16.1189

Previews

White Background



This preview shows how the XYZ color 12.9332, 12.5389, 17.0678 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 12.9332, 12.5389, 17.0678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

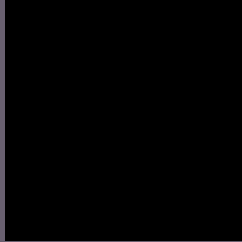
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9332, 12.5389, 17.0678

Background



This preview shows how black text looks on a background with the XYZ color 12.9332, 12.5389, 17.0678.



This preview shows how white text looks on a background with the XYZ color 12.9332, 12.5389,

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

12.9332, 12.5389, 17.0678

Protanopia

12.4289, 12.6800, 17.7120

Deuteranopia

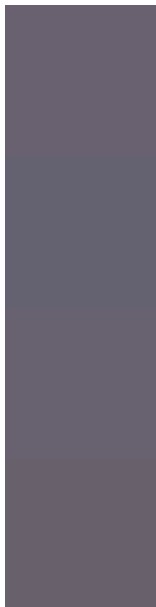
12.7928, 12.6028, 17.0876



Tritanopia

12.5334, 12.5124, 15.1191

Trichromacy



Original Color

12.9332, 12.5389, 17.0678

Protanomaly

12.6038, 12.6369, 17.3977

Deuteranomaly

12.9082, 12.6623, 17.0930

Tritanomaly

12.6904, 12.5752, 15.9457

Monochromacy



Original Color

12.9332, 12.5389, 17.0678

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4911, 12.7684, 15.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9332, 12.5389, 17.0678 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(105, 96, 112)` looks like.

```
.text, #text, p{  
    color:rgb(105, 96, 112)  
}
```

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(105, 96, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 96, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.9332, 12.5389, 17.0678 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(105, 96, 112) }
```


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

```
.border{ border-color:rgb(105, 96, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 96, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 96, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 96, 112);  
box-shadow:4px 4px 4px 4px rgb(105, 96,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9332, 12.5389, 17.0678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 96, 112) }
```

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

```
.background{ background-color: rgb(105, 96,  
112) }
```

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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