

Converting Colors

XYZ(13.0248, 13.0956, 17.4146)

Have a look what the booklet for
XYZ(13.0248, 13.0956, 17.4146)
contains.

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Color

**XYZ(13.0173, 13.1314,
17.4713)**

Conversions

Conversions Part 1

Format	Color
Hex	666471
RGB	102, 100, 113
RGB Percent	40%, 39%, 44%
CMY	0.6000, 0.6078, 0.5569
CMYK	0.10, 0.12, 0.00, 0.56
HSL	249°, 6%, 42%
HSV	249°, 12%, 44%
XYZ	13.0173, 13.1314, 17.4713
YIQ	102.0800, -2.9810, 4.4670

Conversions

Conversions Part 2

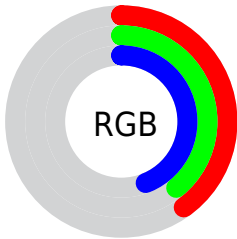
Format	Color
R_{YB}	102, 100, 113
Decimal	6710385
CIE _{Lab}	42.96, 3.59, -7.02
CIE _{LCh}	43, 7.888, 297.065
Yxy	13.1314, 0.2984, 0.3010
Android (android.graphics.Color)	4284900465 (0xFF666471)
YUV	102.0800, 5.3836, -0.0702
Hunter-Lab	36.2373, 0.7063, -3.2198

Details

The XYZ color **13.0173, 13.1314, 17.4713** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7614, 16.1102, 14.3888**, and the grayscale version is **12.6375, 13.2956, 14.4789**.

A 20% lighter version of the original color is **30.9950, 31.6221, 40.0674**, and **3.8028, 3.7401, 5.5225** is the 20% darker color. If you saturate the color by 10%, you get **10.9859, 10.5856, 17.0872**, and if you desaturate by 10%, it is **15.3249, 16.0435, 17.9120**.

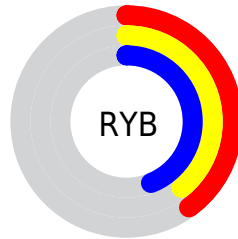
Distribution



Red (40%)

Green (39%)

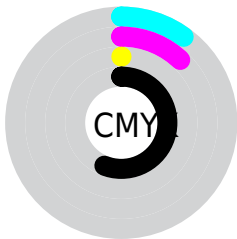
Blue (44%)



Red (40%)

Yellow (39%)

Blue (44%)

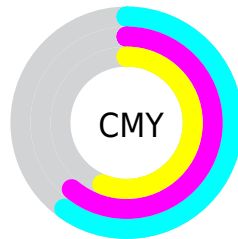


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (56%)



Cyan (60%)

Magenta (61%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0173, 13.1314, 17.4713 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 13.0173, 13.1314, 17.4713 by changing the saturation by 10% instead.

■ 13.0173, 13.1314,
17.4713

■ 13.0173, 13.1314,
17.4713

204.6639,
211.7581, 250.0091

■ 7.5175, 7.5191,
10.4056

■ 30.9359, 31.5396,
39.9360

■ 3.8370, 3.7888,
5.5596

■ 44.0855, 45.1044,
56.1721

■ 1.6103, 1.5561,
2.5148

■ 60.5157, 62.0887,
76.3021

■ 0.3991, 0.3278,
0.8480

■ 80.5919, 82.8770,
100.7445

■ 0.0000, 0.0000,
0.0000

104.6795,
107.8537, 129.9179

133.1437,

137.4032, 164.2408

166.3501,
171.9099, 204.1317

■ 13.0173, 13.1314,
17.4713

■ 13.0173, 13.1314,
17.4713

■ 10.9859, 10.5856,
17.0872

■ 15.3249, 16.0435,
17.9120

■ 9.2191, 8.3899,
16.7565

■ 17.9174, 19.3339,
18.4105

■ 7.7063, 6.5294,
16.4771

■ 20.8044, 23.0161,
18.9690

■ 6.4356, 4.9875,
16.2465

■ 23.9949, 27.1025,
19.5896

■ 5.3943, 3.7462,
16.0618

■ 27.4974, 31.6049,
20.2741

■ 4.5684, 2.7856,
15.9199

■ 31.3201, 36.5345,
21.0241

■ 3.9423, 2.0834,
15.8173

■ 35.4709, 41.9023,
21.8414

■ 3.4982, 1.6138,
15.7501

■ 39.9574, 47.7187,
22.7276

■ 3.2186, 1.3149,
15.7071

■ 44.7870, 53.9940,
23.6843

Harmonies

Analogous

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



12.4216, 13.1314, 17.8862



13.0173, 13.1314, 17.4713



13.4820, 13.1314, 16.1849

Triad

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



13.0173, 13.1314, 17.4713



13.1236, 13.1314, 11.6823



11.3559, 13.1314, 14.1281

Complementary

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



13.0173, 13.1314, 17.4713



14.7614, 16.1102, 14.3888

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.



11.5308, 13.1314, 12.5635



13.0173, 13.1314, 17.4713



12.5406, 13.1314, 11.2248

Square

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



13.0173, 13.1314, 17.4713



13.5448, 13.1314, 12.8363



11.9596, 13.1314, 11.5340



11.4744, 13.1314, 15.8664

Rectangle

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



13.0173, 13.1314, 17.4713



13.6483, 13.1314, 15.0559



11.9596, 13.1314, 11.5340



11.3822, 13.1314, 13.5657

Sweetspot

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



13.0177, 13.1320, 17.4716



26.7565, 27.8615, 31.9431



13.9265, 15.2817, 17.8386



6.1185, 6.3557, 7.3740



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.



13.0177, 13.1320, 17.4716



22.2157, 22.1396, 31.0780



13.7775, 13.5236, 17.5071



3.2610, 3.3228, 4.2237



3.6385, 1.4852, 17.8165



17.6429, 7.1496, 88.7293

Inverse Universe

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



14.2369, 13.7734, 16.9478



24.8981, 23.5511, 29.9072



13.9788, 15.7067, 14.3522



3.4934, 3.4451, 4.1252



10.0948, 4.9303, 12.8409



50.0300, 24.4573, 62.6155

Previews

White Background



This preview shows how the XYZ color 13.0173, 13.1314, 17.4713 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 13.0173, 13.1314, 17.4713 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

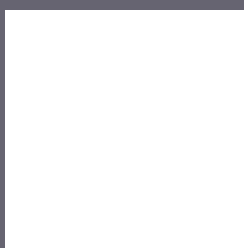
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0173, 13.1314, 17.4713

Background



This preview shows how black text looks on a background with the XYZ color 13.0173, 13.1314, 17.4713.



This preview shows how white text looks on a background with the XYZ color 13.0173, 13.1314,

17.4713.

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

13.0173, 13.1314, 17.4713

Protanopia

12.8898, 13.2089, 17.4930

Deuteranopia

13.3863, 13.1801, 17.4613



Tritanopia

12.7808, 13.1782, 16.3380

Trichromacy



Original Color

13.0173, 13.1314, 17.4713

Protanomaly

13.0011, 13.2663, 17.4982

Deuteranomaly

13.2682, 13.1192, 17.4557

Tritanomaly

12.8350, 13.1999, 16.6232

Monochromacy



Original Color

13.0173, 13.1314, 17.4713

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7347, 13.1727, 15.5071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0173, 13.1314, 17.4713 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, 100, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 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, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.0173, 13.1314, 17.4713 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, 100, 113) }
```


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

```
.border{ border-color:rgb(102, 100, 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, 100, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0173, 13.1314, 17.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 113) }
```

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

```
.background{ background-color: rgb(102,  
100, 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](#).

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