

Converting Colors

XYZ(13.1217, 13.3312, 17.2693)

Have a look what the booklet for
XYZ(13.1217, 13.3312, 17.2693)
contains.

XYZ(13.0578, 13.3020, 17.2086)	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(13.0578, 13.3020,
17.2086)**

Conversions

Conversions Part 1

Format	Color
Hex	666570
RGB	102, 101, 112
RGB Percent	40%, 40%, 44%
CMY	0.6000, 0.6039, 0.5608
CMYK	0.09, 0.10, 0.00, 0.56
HSL	245°, 5%, 42%
HSV	245°, 10%, 44%
XYZ	13.0578, 13.3020, 17.2086
YIQ	102.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

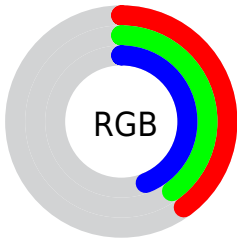
Format	Color
R _Y B	102, 101, 112
Decimal	6710640
CIE Lab	43.21, 2.76, -6.04
CIE LCh	43, 6.640, 294.566
Yxy	13.3020, 0.2997, 0.3053
Android (android.graphics.Color)	4284900720 (0xFF666570)
YUV	102.5530, 4.6574, -0.4850
Hunter-Lab	36.4719, 0.0814, -2.4446

Details

The XYZ color **13.0578, 13.3020, 17.2086** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6992, 15.9078, 14.6084**, and the grayscale version is **12.7633, 13.4279, 14.6230**.

A 20% lighter version of the original color is **31.0659, 31.9091, 39.6437**, and **3.8201, 3.8207, 5.3866** is the 20% darker color. If you saturate the color by 10%, you get **10.9596, 10.7148, 16.8200**, and if you desaturate by 10%, it is **15.4468, 16.2598, 17.6538**.

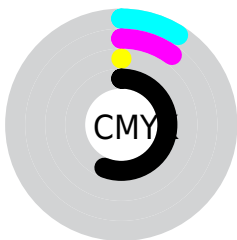
Distribution



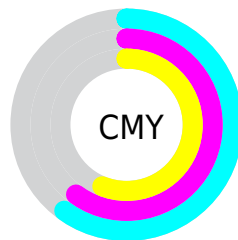
- Red (40%)
- Green (40%)
- Blue (44%)



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



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0578, 13.3020, 17.2086 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 13.0578, 13.3020, 17.2086 by changing the saturation by 10% instead.

■ 13.0578, 13.3020,
17.2086

■ 13.0578, 13.3020,
17.2086

204.9179,
212.8442, 248.4561

■ 7.5456, 7.6368,
10.2198

■ 31.0080, 31.8453,
39.4796

■ 3.8550, 3.8635,
5.4374

■ 44.1768, 45.4922,
55.5990

■ 1.6204, 1.5975,
2.4429

■ 60.6284, 62.5685,
75.5989

■ 0.4057, 0.3559,
0.8097

■ 80.7284, 83.4585,
99.8979

■ 0.0000, 0.0000,
0.0000

104.8419,
108.5467, 128.9146

133.3345,

138.2174, 163.0675

166.5713,
172.8551, 202.7752

■ 13.0578, 13.3020,
17.2086

■ 13.0578, 13.3020,
17.2086

■ 10.9596, 10.7148,
16.8200

■ 15.4468, 16.2598,
17.6538

■ 9.1400, 8.4821,
16.4850

■ 18.1359, 19.6004,
18.1569

■ 7.5875, 6.5889,
16.2014

■ 21.1355, 23.3373,
18.7201

■ 6.2896, 5.0185,
15.9666

■ 24.4550, 27.4829,
19.3453

■ 5.2326, 3.7528,
15.7781

■ 28.1036, 32.0492,
20.0344

■ 4.4015, 2.7720,
15.6325

■ 32.0899, 37.0475,
20.7890

■ 3.7798, 2.0539,
15.5267

■ 36.4224, 42.4887,
21.6110

■ 3.3485, 1.5729,
15.4566

■ 41.1092, 48.3835,
22.5018

■ 3.0564, 1.2410,
15.4079

■ 46.1581, 54.7421,
23.4630

Harmonies

Analogous

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



12.5499, 13.3020, 17.4827



13.0578, 13.3020, 17.2086



13.4642, 13.3020, 16.1844

Triad

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



13.0578, 13.3020, 17.2086



13.2239, 13.3020, 12.3011



11.6861, 13.3020, 14.2177

Complementary

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



13.0578, 13.3020, 17.2086



14.6992, 15.9078, 14.6084

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.



11.8561, 13.3020, 12.9063



13.0578, 13.3020, 17.2086



12.7368, 13.3020, 11.8488

Square

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



13.0578, 13.3020, 17.2086



13.5619, 13.3020, 13.3403



12.2374, 13.3020, 12.0626



11.7669, 13.3020, 15.6904

Rectangle

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



13.0578, 13.3020, 17.2086



13.6183, 13.3020, 15.2487



12.2374, 13.3020, 12.0626



11.7157, 13.3020, 13.7445

Sweetspot

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



13.0582, 13.3026, 17.2089



25.7113, 26.7984, 30.7472



13.9854, 15.3240, 17.5502



6.1048, 6.3487, 7.3734



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.



13.0582, 13.3026, 17.2089



21.9731, 22.1752, 30.0519



13.6924, 13.6295, 17.2386



3.2431, 3.3136, 4.2229



3.5175, 1.4227, 17.8108



17.1835, 6.9128, 88.7078

Inverse Universe

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



14.2055, 13.9004, 16.9740



24.4622, 23.4724, 29.5336



14.0380, 15.5670, 14.5774



3.5020, 3.4485, 4.1702



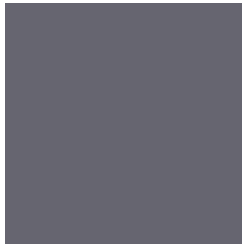
10.4837, 5.0859, 14.8891



52.0582, 25.2686, 73.2955

Previews

White Background



This preview shows how the XYZ color 13.0578, 13.3020, 17.2086 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 13.0578, 13.3020, 17.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

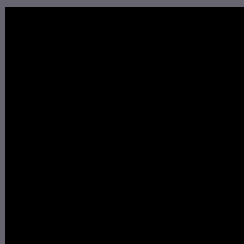
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

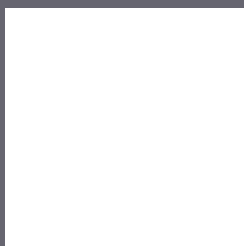
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0578, 13.3020, 17.2086

Background



This preview shows how black text looks on a background with the XYZ color 13.0578, 13.3020, 17.2086.



This preview shows how white text looks on a background with the XYZ color 13.0578, 13.3020,

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

13.0578, 13.3020, 17.2086

Protanopia

12.9451, 13.2439, 17.2033

Deuteranopia

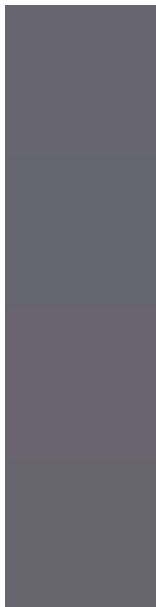
13.4499, 13.2193, 17.1719



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

13.0578, 13.3020, 17.2086

Protanomaly

12.9451, 13.2439, 17.2033

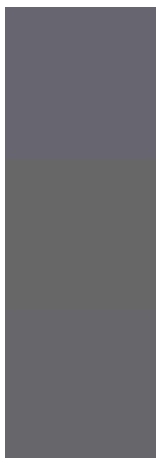
Deuteranomaly

13.3075, 13.2875, 17.1926

Tritanomaly

12.9476, 13.2579, 16.6285

Monochromacy



Original Color

13.0578, 13.3020, 17.2086

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9464, 13.4269, 15.5450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0578, 13.3020, 17.2086 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, 101, 112)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 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(102, 101, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.0578, 13.3020, 17.2086 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, 101, 112) }
```


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

```
.border{ border-color:rgb(102, 101, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 101, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 112);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0578, 13.3020, 17.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 112) }
```

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

```
.background{ background-color: rgb(102,  
101, 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](#).

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