

Converting Colors

XYZ(13.3548, 13.8959, 17.3077)

Have a look what the booklet for
XYZ(13.3548, 13.8959, 17.3077)
contains.

XYZ(13.3544, 13.8953, 17.3074)	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(13.3544, 13.8953,
17.3074)**

Conversions

Conversions Part 1

Format	Color
Hex	666870
RGB	102, 104, 112
RGB Percent	40%, 41%, 44%
CMY	0.6000, 0.5921, 0.5608
CMYK	0.09, 0.07, 0.00, 0.56
HSL	228°, 5%, 42%
HSV	228°, 9%, 44%
XYZ	13.3544, 13.8953, 17.3074
YIQ	104.3140, -3.7600, 2.0640

Conversions

Conversions Part 2

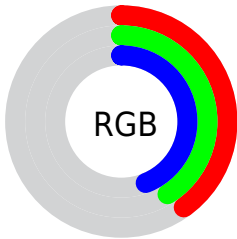
Format	Color
R_{YB}	102, 104, 112
Decimal	6711408
CIE Lab	44.08, 0.96, -4.75
CIE LCh	44, 4.845, 281.421
Yxy	13.8953, 0.2997, 0.3119
Android (android.graphics.Color)	4284901488 (0xFF666870)
YUV	104.3140, 3.7892, -2.0294
Hunter-Lab	37.2764, -1.2855, -1.4348

Details

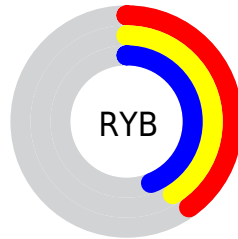
The XYZ color **13.3544, 13.8953, 17.3074** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6562, 15.5555, 14.8005**, and the grayscale version is **13.2335, 13.9227, 15.1618**.

A 20% lighter version of the original color is **31.5591, 32.8953, 39.8081**, and **3.9641, 4.1086, 5.4346** is the 20% darker color. If you saturate the color by 10%, you get **11.3157, 11.5765, 16.9675**, and if you desaturate by 10%, it is **15.6612, 16.4953, 17.6879**.

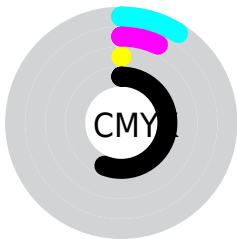
Distribution



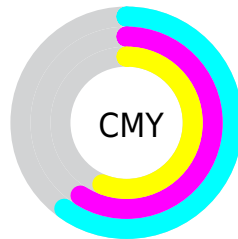
- Red (40%)
- Green (41%)
- Blue (44%)



- Red (40%)
- Yellow (41%)
- Blue (44%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3544, 13.8953, 17.3074 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 13.3544, 13.8953, 17.3074 by changing the saturation by 10% instead.

■ 13.3544, 13.8953,
17.3074

■ 13.3544, 13.8953,
17.3074

206.7687,
216.5785, 249.0413

■ 7.7517, 8.0479,
10.2896

■ 31.5350, 32.9031,
39.6514

■ 3.9870, 4.1256,
5.4833

■ 44.8435, 46.8323,
55.8148

■ 1.6948, 1.7441,
2.4699

■ 61.4515, 64.2243,
75.8637

■ 0.4530, 0.4519,
0.8241

■ 81.7241, 85.4633,
100.2168

■ 0.0000, 0.0000,
0.0000

106.0268,
110.9339, 129.2925

134.7248,

141.0203, 163.5095

168.1837,
176.1071, 203.2862

■ 13.3544, 13.8953,
17.3074

■ 13.3544, 13.8953,
17.3074

■ 11.3157, 11.5765,
16.9675

■ 15.6612, 16.4953,
17.6879

■ 9.5341, 9.5277,
16.6659

■ 18.2443, 19.3837,
18.1093

■ 7.9996, 7.7394,
16.4016

■ 21.1127, 22.5697,
18.5730

■ 6.7011, 6.2009,
16.1731

■ 24.2751, 26.0616,
19.0804

■ 5.6265, 4.9009,
15.9788

■ 27.7395, 29.8673,
19.6323

■ 4.7628, 3.8271,
15.8171

■ 31.5136, 33.9945,
20.2300

■ 4.0953, 2.9660,
15.6861

■ 35.6050, 38.4504,
20.8745

■ 3.6078, 2.3026,
15.5837

■ 40.0209, 43.2422,
21.5667

■ 3.2538, 1.8059,
15.5065

■ 44.7683, 48.3769,
22.3075

Harmonies

Analogous

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



12.9723, 13.8953, 17.2325



13.3544, 13.8953, 17.3074



13.7036, 13.8953, 16.7780

Triad

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



13.3544, 13.8953, 17.3074



13.7708, 13.8953, 13.7681



12.5168, 13.8953, 14.4633

Complementary

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



13.3544, 13.8953, 17.3074



14.6562, 15.5555, 14.8005

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.



12.7227, 13.8953, 13.5929



13.3544, 13.8953, 17.3074



13.4447, 13.8953, 13.2052

Square

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



13.3544, 13.8953, 17.3074



13.9471, 13.8953, 14.7131



13.0608, 13.8953, 13.1426



12.4937, 13.8953, 15.5539

Rectangle

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



13.3544, 13.8953, 17.3074



13.8688, 13.8953, 16.1681



13.0608, 13.8953, 13.1426



12.5667, 13.8953, 14.1366

Sweetspot

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



13.3548, 13.8959, 17.3077



25.7732, 27.0221, 30.7872



14.0792, 15.5354, 16.9611



6.1229, 6.4142, 7.3851



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.



13.3548, 13.8959, 17.3077



22.5740, 23.4063, 30.2579



13.4823, 13.6659, 17.2566



3.2667, 3.3987, 4.2381



3.7077, 2.0057, 17.9133



17.9632, 8.9784, 89.0654

Inverse Universe

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



13.9324, 13.9471, 15.0552



23.8403, 23.5289, 25.3174



14.5198, 15.8096, 14.8568



3.4093, 3.4114, 3.6821



7.8898, 4.0483, 1.2297



39.0470, 20.0641, 4.7796

Previews

White Background



This preview shows how the XYZ color 13.3544, 13.8953, 17.3074 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 13.3544, 13.8953, 17.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

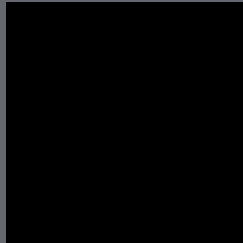
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

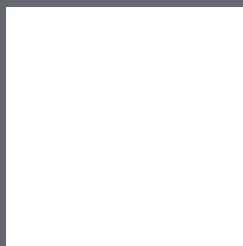
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3544, 13.8953, 17.3074

Background



This preview shows how black text looks on a background with the XYZ color 13.3544, 13.8953, 17.3074.



This preview shows how white text looks on a background with the XYZ color 13.3544, 13.8953,

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

13.3544, 13.8953, 17.3074

Protanopia

13.4838, 13.8134, 17.2848

Deuteranopia

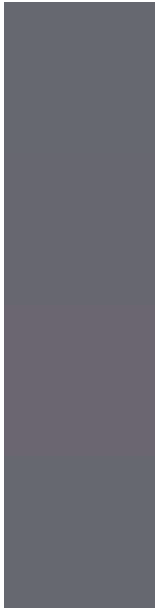
14.0647, 13.8146, 17.5480



Tritanopia

13.3544, 13.8953, 17.3074

Trichromacy



Original Color

13.3544, 13.8953, 17.3074

Protanomaly

13.3684, 13.7539, 17.2794

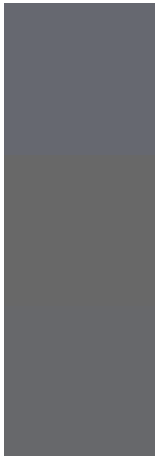
Deuteranomaly

13.7954, 13.8208, 17.5634

Tritanomaly

13.3544, 13.8953, 17.3074

Monochromacy



Original Color

13.3544, 13.8953, 17.3074

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1977, 13.8457, 15.8868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3544, 13.8953, 17.3074 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, 104, 112)` looks like.

```
.text, #text, p{  
    color:rgb(102, 104, 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, 104, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 104, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.3544, 13.8953, 17.3074 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, 104, 112) }
```


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

```
.border{ border-color:rgb(102, 104, 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, 104, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 104, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 104, 112);  
box-shadow:4px 4px 4px 4px rgb(102, 104,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3544, 13.8953, 17.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 104, 112) }
```

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

```
.background{ background-color: rgb(102,  
104, 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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