

Converting Colors

XYZ(13.2424, 13.5316, 14.5329)

Have a look what the booklet for
XYZ(13.2424, 13.5316, 14.5329)
contains.

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Color

**XYZ(13.3340, 13.6502,
14.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6666
RGB	108, 102, 102
RGB Percent	42%, 40%, 40%
CMY	0.5765, 0.6000, 0.6000
CMYK	0.00, 0.06, 0.06, 0.58
HSL	0°, 3%, 41%
HSV	0°, 6%, 42%
XYZ	13.3340, 13.6502, 14.5023
YIQ	103.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

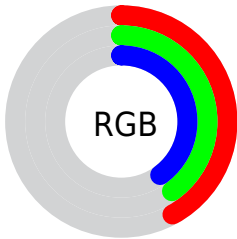
Format	Color
R_{YB}	108, 102, 102
Decimal	7104102
CIE Lab	43.73, 2.36, 0.84
CIE LCh	44, 2.504, 19.586
Yxy	13.6502, 0.3214, 0.3290
Android (android.graphics.Color)	4285294182 (0xFF6C6666)
YUV	103.7940, -0.8844, 3.6887
Hunter-Lab	36.9462, -0.2346, 2.5895

Details

The XYZ color **13.3340, 13.6502, 14.5023** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5488, 14.6324, 16.2978**, and the grayscale version is **13.1050, 13.7875, 15.0146**.

A 20% lighter version of the original color is **31.4391, 32.4533, 34.7441**, and **3.9802, 4.0003, 4.1768** is the 20% darker color. If you saturate the color by 10%, you get **11.8402, 11.4645, 11.5318**, and if you desaturate by 10%, it is **15.0366, 16.1414, 17.8871**.

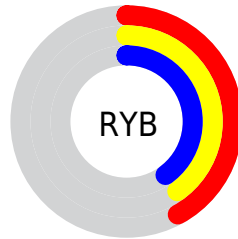
Distribution



Red (42%)

Green (40%)

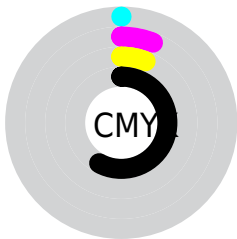
Blue (40%)



Red (42%)

Yellow (40%)

Blue (40%)

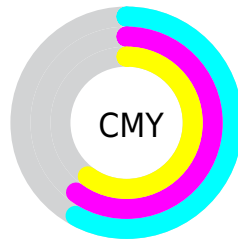


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (58%)



Cyan (58%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3340, 13.6502, 14.5023 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 13.3340, 13.6502, 14.5023 by changing the saturation by 10% instead.

■ 13.3340, 13.6502,
14.5023

■ 13.3340, 13.6502,
14.5023

206.6419,
215.0437, 231.8697

■ 7.7375, 7.8778,
8.3281

■ 31.4988, 32.4671,
34.7075

■ 3.9778, 4.0168,
4.2148

■ 44.7978, 46.2803,
49.5757

■ 1.6896, 1.6830,
1.7439

■ 61.3950, 63.5426,
68.1789

■ 0.4498, 0.4126,
0.3906

■ 81.6558, 84.6383,
90.9357

■ 0.0000, 0.0000,
0.0000

105.9455,
109.9519, 118.2646

134.6296,

139.8677, 150.5842

168.0732,
174.7702, 188.3131

■ 13.3340, 13.6502,
14.5023

■ 13.3340, 13.6502,
14.5023

■ 11.8402, 11.4645,
11.5318

■ 15.0366, 16.1414,
17.8871

■ 10.5460, 9.5709,
8.9587

■ 16.9544, 18.9474,
21.7003

■ 9.4434, 7.9575,
6.7667

■ 19.0948, 22.0793,
25.9564

■ 8.5233, 6.6111,
4.9374

■ 21.4649, 25.5470,
30.6691

■ 7.7758, 5.5173,
3.4514

■ 24.0711, 29.3601,
35.8513

■ 7.1901, 4.6602,
2.2873

■ 26.9196, 33.5279,
41.5156

■ 6.7544, 4.0225,
1.4213

■ 30.0166, 38.0591,
47.6739

■ 6.4549, 3.5842,
0.8263

■ 33.3678, 42.9623,
54.3379

■ 6.2632, 3.3037,
0.4454

■ 36.9790, 48.2458,
61.5188

Harmonies

Analogous

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



13.3500, 13.6502, 15.0596



13.3340, 13.6502, 14.5023



13.2211, 13.6502, 14.0526

Triad

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



13.3340, 13.6502, 14.5023



12.6880, 13.6502, 14.1710



12.9058, 13.6502, 15.9546

Complementary

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



13.3340, 13.6502, 14.5023



13.5488, 14.6324, 16.2978

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.



12.7303, 13.6502, 15.7035



13.3340, 13.6502, 14.5023



12.6054, 13.6502, 14.6677

Square

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



13.3340, 13.6502, 14.5023



12.8476, 13.6502, 13.8646



12.6207, 13.6502, 15.2291



13.1014, 13.6502, 15.9076

Rectangle

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



13.3340, 13.6502, 14.5023



13.1066, 13.6502, 13.8698



12.6207, 13.6502, 15.2291



12.8425, 13.6502, 15.9020

Sweetspot

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



13.3344, 13.6508, 14.5026



24.4139, 25.4345, 27.4572



13.6427, 13.7738, 16.1271



5.9210, 6.1735, 6.6692



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3344, 13.6508, 14.5026



22.9565, 23.3020, 24.5594



13.6344, 14.2508, 14.6026



3.1668, 3.2149, 3.3889



7.3769, 3.8036, 0.3454



37.5874, 19.3784, 1.7593

Inverse Universe

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



13.5488, 14.6324, 16.2978



23.4386, 25.5092, 28.5961



13.2380, 14.0108, 16.1942



3.2331, 3.5182, 3.9436



9.6200, 14.0743, 19.1318



49.0166, 71.7118, 97.4845

Previews

White Background



This preview shows how the XYZ color 13.3340, 13.6502, 14.5023 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 13.3340, 13.6502, 14.5023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

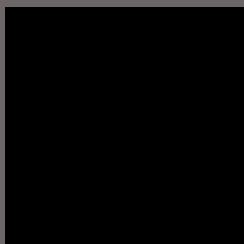
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

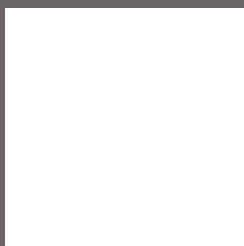
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3340, 13.6502, 14.5023

Background



This preview shows how black text looks on a background with the XYZ color 13.3340, 13.6502, 14.5023.



This preview shows how white text looks on a background with the XYZ color 13.3340, 13.6502,

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

13.3340, 13.6502, 14.5023

Protanopia

13.0742, 13.6631, 14.5185

Deuteranopia

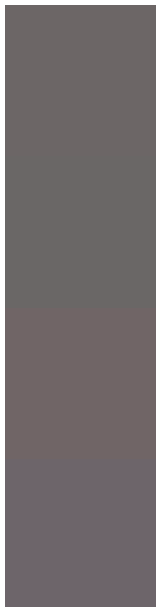
13.8949, 13.6511, 14.4730



Tritanopia

13.7207, 13.6627, 16.3820

Trichromacy



Original Color

13.3340, 13.6502, 14.5023

Protanomaly

13.1924, 13.7240, 14.5241

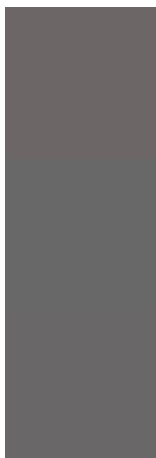
Deuteranomaly

13.7340, 13.7114, 14.4931

Tritanomaly

13.5619, 13.5992, 15.5458

Monochromacy



Original Color

13.3340, 13.6502, 14.5023

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1241, 13.6830, 14.7813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3340, 13.6502, 14.5023 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(108, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(108, 102, 102)  
}
```

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(108, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 13.3340, 13.6502, 14.5023 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(108, 102, 102) }
```


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

```
.border{ border-color:rgb(108, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(108, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(108, 102,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3340, 13.6502, 14.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 102, 102) }
```

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

```
.background{ background-color: rgb(108,  
102, 102) }
```

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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