

Converting Colors

XYZ(12.7317, 13.6422, 14.5694)

Have a look what the booklet for
XYZ(12.7317, 13.6422, 14.5694)
contains.

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Color

**XYZ(12.7154, 13.6266,
14.5304)**

Conversions

Conversions Part 1

Format	Color
Hex	656866
RGB	101, 104, 102
RGB Percent	40%, 41%, 40%
CMY	0.6039, 0.5921, 0.6000
CMYK	0.03, 0.00, 0.02, 0.59
HSL	140°, 1%, 40%
HSV	140°, 3%, 41%
XYZ	12.7154, 13.6266, 14.5304
YIQ	102.8750, -1.1460, -1.2580

Conversions

Conversions Part 2

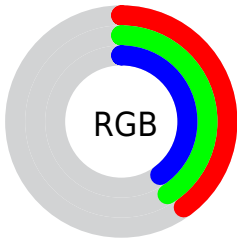
Format	Color
R_{YB}	101, 103, 104
Decimal	6645862
CIE Lab	43.69, -1.57, 0.71
CIE LCh	44, 1.729, 155.603
Yxy	13.6266, 0.3111, 0.3334
Android (android.graphics.Color)	4284835942 (0xFF656866)
YUV	102.8750, -0.4314, -1.6444
Hunter-Lab	36.9142, -3.1141, 2.5019

Details

The XYZ color **12.7154, 13.6266, 14.5304** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8113, 13.2300, 14.7110**, and the grayscale version is **12.8607, 13.5305, 14.7347**.

A 20% lighter version of the original color is **30.4200, 32.4180, 34.7910**, and **3.6740, 3.9864, 4.1902** is the 20% darker color. If you saturate the color by 10%, you get **11.2942, 12.9324, 12.7430**, and if you desaturate by 10%, it is **14.3136, 14.4094, 16.4769**.

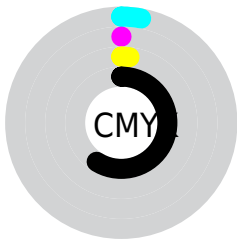
Distribution



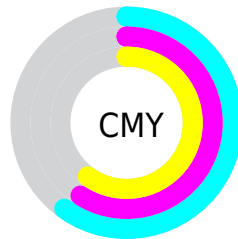
- Red (40%)
- Green (41%)
- Blue (40%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (59%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7154, 13.6266, 14.5304 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 12.7154, 13.6266, 14.5304 by changing the saturation by 10% instead.

■ 12.7154, 13.6266,
14.5304

■ 12.7154, 13.6266,
14.5304

202.7602,
214.8954, 232.0480

■ 7.3085, 7.8614,
8.3475

■ 30.3972, 32.4250,
34.7578

■ 3.7038, 4.0064,
4.2272

■ 43.4029, 46.2270,
49.6394

■ 1.5360, 1.6771,
1.7508

■ 59.6721, 63.4768,
68.2577

■ 0.3501, 0.4088,
0.3952

■ 79.5704, 84.5586,
91.0312

■ 0.0000, 0.0000,
0.0000

103.4629,
109.8570, 118.3784

131.7152,

139.7564, 150.7179

164.6925,
174.6410, 188.4683

■ 12.7154, 13.6266,
14.5304

■ 12.7154, 13.6266,
14.5304

■ 11.2942, 12.9324,
12.7430

■ 14.3136, 14.4094,
16.4769

■ 10.0426, 12.3221,
11.1099

■ 16.0934, 15.2822,
18.5853

■ 8.9545, 11.7928,
9.6273

■ 18.0609, 16.2481,
20.8598

■ 8.0228, 11.3411,
8.2908

■ 20.2214, 17.3100,
23.3037

■ 7.2400, 10.9632,
7.0959

■ 22.5800, 18.4705,
25.9207

■ 6.5981, 10.6550,
6.0380

■ 25.1418, 19.7320,
28.7140

■ 6.0880, 10.4120,
5.1120

■ 27.9114, 21.0968,
31.6869

■ 5.6997, 10.2292,
4.3127

■ 30.8934, 22.5674,
34.8425

■ 5.4191, 10.0992,
3.6343

■ 34.0924, 24.1459,
38.1840

Harmonies

Analogous

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



12.8003, 13.6266, 14.2375



12.7154, 13.6266, 14.5304



12.6936, 13.6266, 14.9102

Triad

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



12.7154, 13.6266, 14.5304



12.9772, 13.6266, 15.5936



13.1651, 13.6266, 14.4061

Complementary

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



12.7154, 13.6266, 14.5304



12.8113, 13.2300, 14.7110

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.



13.2132, 13.6266, 14.7642



12.7154, 13.6266, 14.5304



13.1042, 13.6266, 15.4532

Square

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



12.7154, 13.6266, 14.5304



12.8442, 13.6266, 15.5283



13.1909, 13.6266, 15.1480



13.0598, 13.6266, 14.1666

Rectangle

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



12.7154, 13.6266, 14.5304



12.7177, 13.6266, 15.1625



13.1909, 13.6266, 15.1480



13.1885, 13.6266, 14.5163

Sweetspot

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



12.7158, 13.6272, 14.5307



22.8048, 24.1498, 26.1048



12.8990, 13.7273, 14.2819



5.5694, 5.8947, 6.3758



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7158, 13.6272, 14.5307



22.2553, 23.8809, 25.4268



12.7884, 13.6562, 14.9132



3.0165, 3.2468, 3.4447



6.4558, 12.3460, 3.8960



33.3009, 64.2429, 18.3725

Inverse Universe

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



12.8113, 13.2300, 14.7110



22.4340, 23.1372, 25.7644



12.7390, 13.2011, 14.3306



3.0445, 3.1302, 3.4977



8.3600, 4.1570, 7.2943



43.1847, 21.5139, 35.8454

Previews

White Background



This preview shows how the XYZ color 12.7154, 13.6266, 14.5304 looks on a white background.

Color Contrast Check

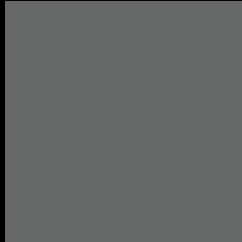
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7154, 13.6266, 14.5304 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

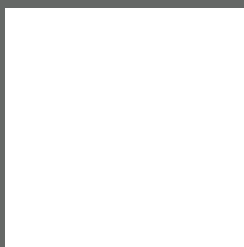
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7154, 13.6266, 14.5304

Background



This preview shows how black text looks on a background with the XYZ color 12.7154, 13.6266, 14.5304.



This preview shows how white text looks on a background with the XYZ color 12.7154, 13.6266,

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

12.7154, 13.6266, 14.5304

Protanopia

13.0249, 13.6433, 14.2589

Deuteranopia

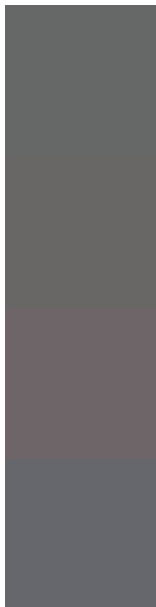
13.8154, 13.6043, 14.7297



Tritanopia

13.1990, 13.6730, 16.9824

Trichromacy



Original Color

12.7154, 13.6266, 14.5304

Protanomaly

12.9081, 13.5831, 14.2534

Deuteranomaly

13.4085, 13.5378, 14.7383

Tritanomaly

13.0365, 13.6080, 16.1269

Monochromacy



Original Color

12.7154, 13.6266, 14.5304

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7779, 13.5045, 14.7651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7154, 13.6266, 14.5304 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(101, 104, 102) looks like.

```
.text, #text, p{  
    color:rgb(101, 104, 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(101, 104, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 104, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.7154, 13.6266, 14.5304 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(101, 104, 102) }
```


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

```
.border{ border-color:rgb(101, 104, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 104, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 104, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 104, 102);  
box-shadow:4px 4px 4px 4px rgb(101, 104,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7154, 13.6266, 14.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 104, 102) }
```

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

```
.background{ background-color: rgb(101,  
104, 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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