

Converting Colors

XYZ(13.2408, 15.4467, 16.4732)

Have a look what the booklet for
XYZ(13.2408, 15.4467, 16.4732)
contains.

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Color

**XYZ(13.2383, 15.4445,
16.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	5D726C
RGB	93, 114, 108
RGB Percent	36%, 45%, 42%
CMY	0.6353, 0.5529, 0.5765
CMYK	0.18, 0.00, 0.05, 0.55
HSL	163°, 10%, 41%
HSV	163°, 18%, 45%
XYZ	13.2383, 15.4445, 16.4707
YIQ	107.0370, -10.5900, -6.3180

Conversions

Conversions Part 2

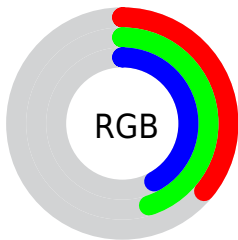
Format	Color
R_{YB}	93, 105, 114
Decimal	6124140
CIE Lab	46.24, -9.08, 0.74
CIE LCh	46, 9.114, 175.340
Yxy	15.4445, 0.2932, 0.3420
Android (android.graphics.Color)	4284314220 (0xFF5D726C)
YUV	107.0370, 0.4748, -12.3104
Hunter-Lab	39.2995, -8.6452, 2.6608

Details

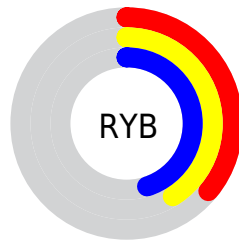
The XYZ color **13.2383, 15.4445, 16.4707** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1065, 12.3074, 13.4899**, and the grayscale version is **13.9866, 14.7150, 16.0246**.

A 20% lighter version of the original color is **31.3958, 35.7049, 38.0379**, and **3.9628, 4.8377, 5.1398** is the 20% darker color. If you saturate the color by 10%, you get **11.9993, 14.8258, 15.5247**, and if you desaturate by 10%, it is **14.6567, 16.1557, 17.4596**.

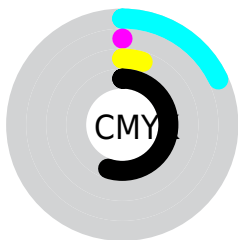
Distribution



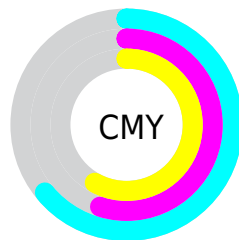
- Red (36%)
- Green (45%)
- Blue (42%)



- Red (36%)
- Yellow (41%)
- Blue (45%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (55%)



- Cyan (64%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2383, 15.4445, 16.4707 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 13.2383, 15.4445, 16.4707 by changing the saturation by 10% instead.

■ 13.2383, 15.4445,
16.4707

■ 13.2383, 15.4445,
16.4707

206.0462,
226.0411, 244.0432

■ 7.6710, 9.1319,
9.6999

■ 31.3289, 35.6311,
38.1916

■ 3.9352, 4.8273,
5.0974

■ 44.5829, 50.2739,
53.9787

■ 1.6655, 2.1463,
2.2448

■ 61.1299, 68.4623,
73.6083

■ 0.4345, 0.6905,
0.7001

■ 81.3351, 90.5806,
97.4990

■ 0.0000, 0.0000,
0.0000

105.5640,
117.0132, 126.0693

134.1819,

148.1446, 159.7378

167.5542,
184.3591, 198.9229

■ 13.2383, 15.4445,
16.4707

■ 13.2383, 15.4445,
16.4707

■ 11.9993, 14.8258,
15.5247

■ 14.6567, 16.1557,
17.4596

■ 10.9307, 14.2939,
14.6198

■ 16.2605, 16.9613,
18.4911

■ 10.0248, 13.8451,
13.7556

■ 18.0567, 17.8654,
19.5661

■ 9.2726, 13.4748,
12.9313

■ 20.0519, 18.8713,
20.6853

■ 8.6643, 13.1779,
12.1461

■ 22.2522, 19.9821,
21.8493

■ 8.1890, 12.9489,
11.3991

■ 24.6634, 21.2008,
23.0588

■ 7.8340, 12.7813,
10.6892

■ 27.2912, 22.5304,
24.3144

■ 7.5607, 12.6551,
10.0143

■ 30.1410, 23.9737,
25.6165

■ 7.5187, 12.6357,
9.9107

■ 33.2180, 25.5333,
26.9659

Harmonies

Analogous

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



13.4830, 15.4445, 14.4955



13.2383, 15.4445, 16.4707



13.3685, 15.4445, 18.7177

Triad

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



13.2383, 15.4445, 16.4707



15.3292, 15.4445, 20.9938



15.5469, 15.4445, 13.5326

Complementary

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



13.2383, 15.4445, 16.4707



13.1065, 12.3074, 13.4899

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.



16.0736, 15.4445, 15.0485



13.2383, 15.4445, 16.4707



15.9448, 15.4445, 19.3728

Square

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



13.2383, 15.4445, 16.4707



14.5583, 15.4445, 21.4587



16.2217, 15.4445, 17.1670



14.8014, 15.4445, 12.8972

Rectangle

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



13.2383, 15.4445, 16.4707



13.6528, 15.4445, 20.0519



16.2217, 15.4445, 17.1670



15.7565, 15.4445, 13.9492

Sweetspot

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



13.2387, 15.4451, 16.4710



26.3650, 28.6952, 31.0846



13.1720, 15.4952, 12.6528



6.0688, 6.6219, 7.1700



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.



13.2387, 15.4451, 16.4710



22.3233, 26.6703, 28.2450



13.1063, 14.6514, 18.0576



3.4363, 3.7997, 4.1038



8.3621, 14.0623, 10.9933



41.2702, 69.8967, 52.7354

Inverse Universe

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



13.1065, 12.3074, 13.4899



22.0468, 20.1028, 22.0068



13.2089, 12.9546, 12.1605



3.4201, 3.4157, 3.7389



8.0173, 4.0993, 1.9011



39.6086, 20.2888, 7.7372

Previews

White Background



This preview shows how the XYZ color 13.2383, 15.4445, 16.4707 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 13.2383, 15.4445, 16.4707 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 13.2383, 15.4445, 16.4707

Background



This preview shows how black text looks on a background with the XYZ color 13.2383, 15.4445, 16.4707.



This preview shows how white text looks on a background with the XYZ color 13.2383, 15.4445,

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

13.2383, 15.4445, 16.4707

Protanopia

14.7005, 15.4019, 15.5627

Deuteranopia

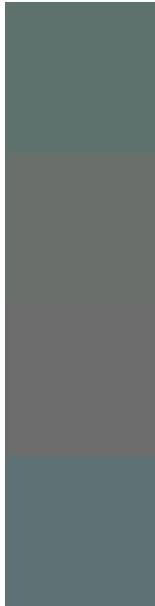
15.7142, 15.4269, 16.9013



Tritanopia

13.9647, 15.4017, 20.3260

Trichromacy



Original Color

13.2383, 15.4445, 16.4707

Protanomaly

14.1117, 15.4127, 15.8669

Deuteranomaly

14.6594, 15.3564, 16.6594

Tritanomaly

13.6736, 15.4509, 18.7846

Monochromacy



Original Color

13.2383, 15.4445, 16.4707

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7093, 15.0382, 16.0900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2383, 15.4445, 16.4707 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(93, 114, 108) looks like.

```
.text, #text, p{  
    color:rgb(93, 114, 108)  
}
```

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(93, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 114, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.2383, 15.4445, 16.4707 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(93, 114, 108) }
```


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

```
.border{ border-color:rgb(93, 114, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 114, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(93, 114,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2383, 15.4445, 16.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 114, 108) }
```

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

```
.background{ background-color: rgb(93, 114,  
108) }
```

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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