

Converting Colors

XYZ(13.2648, 15.6113, 19.5351)

Have a look what the booklet for
XYZ(13.2648, 15.6113, 19.5351)
contains.

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Color

**XYZ(13.2385, 15.5479,
19.4428)**

Conversions

Conversions Part 1

Format	Color
Hex	567376
RGB	86, 115, 118
RGB Percent	34%, 45%, 46%
CMY	0.6627, 0.5490, 0.5373
CMYK	0.27, 0.03, 0.00, 0.54
HSL	186°, 16%, 40%
HSV	186°, 27%, 46%
XYZ	13.2385, 15.5479, 19.4428
YIQ	106.6710, -18.2470, -5.2150

Conversions

Conversions Part 2

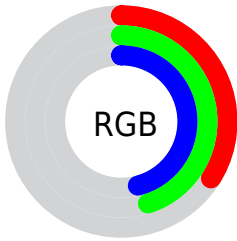
Format	Color
R_{YB}	86, 101, 118
Decimal	5665654
CIE _{Lab}	46.38, -9.68, -5.08
CIE _{LCh}	46, 10.931, 207.689
Yxy	15.5479, 0.2745, 0.3224
Android (android.graphics.Color)	4283855734 (0xFF567376)
YUV	106.6710, 5.5852, -18.1285
Hunter-Lab	39.4308, -9.0744, -1.6335

Details

The XYZ color **13.2385, 15.5479, 19.4428** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7235, 11.6683, 10.3861**, and the grayscale version is **13.8732, 14.5956, 15.8947**.

A 20% lighter version of the original color is **31.3909, 35.8581, 43.2970**, and **3.9493, 4.8878, 6.5296** is the 20% darker color. If you saturate the color by 10%, you get **12.1153, 14.7832, 19.3547**, and if you desaturate by 10%, it is **14.5435, 16.4094, 19.5406**.

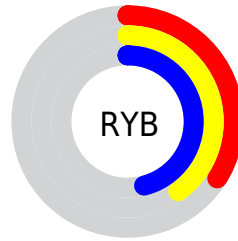
Distribution



Red (34%)

Green (45%)

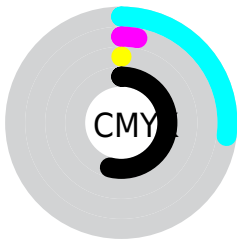
Blue (46%)



Red (34%)

Yellow (40%)

Blue (46%)

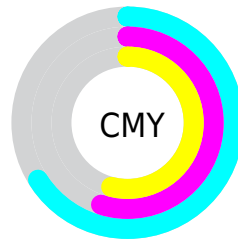


Cyan (27%)

Magenta (3%)

Yellow (0%)

Black (54%)



Cyan (66%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2385, 15.5479, 19.4428 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 13.2385, 15.5479, 19.4428 by changing the saturation by 10% instead.

■ 13.2385, 15.5479,
19.4428

■ 13.2385, 15.5479,
19.4428

■ 206.0474,
226.6590, 261.3862

■ 7.6711, 9.2048,
11.8106

■ 31.3293, 35.8115,
43.3276

■ 3.9353, 4.8750,
6.4939

■ 44.5834, 50.5009,
60.4173

■ 1.6656, 2.1741,
3.0741

■ 61.1304, 68.7411,
81.4967

■ 0.4346, 0.7058,
1.1326

■ 81.3358, 90.9165,
106.9841

■ 0.0000, 0.0000,
0.0000

■ 105.5648,
117.4117, 137.2983

134.1829,

148.6109, 172.8576

167.5553,
184.8985, 214.0808

■ 13.2385, 15.5479,
19.4428

■ 13.2385, 15.5479,
19.4428

■ 12.1153, 14.7832,
19.3547

■ 14.5435, 16.4094,
19.5406

■ 11.1638, 14.1088,
19.2746

■ 16.0372, 17.3700,
19.6472

■ 10.3748, 13.5205,
19.2027

■ 17.7278, 18.4343,
19.7636

■ 9.7379, 13.0128,
19.1382

■ 19.6224, 19.6061,
19.8899

■ 9.2414, 12.5797,
19.0808

■ 21.7280, 20.8889,
20.0265

■ 8.8718, 12.2142,
19.0297

■ 24.0511, 22.2862,
20.1738

■ 8.5977, 11.9002,
18.9836

■ 26.5980, 23.8011,
20.3320

■ 8.5219, 11.8117,
18.9705

■ 29.3748, 25.4369,
20.5013

■ 32.3873, 27.1964,
20.6822

Harmonies

Analogous

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



13.0490, 15.5479, 16.7217



13.2385, 15.5479, 19.4428



13.8351, 15.5479, 21.6774

Triad

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



13.2385, 15.5479, 19.4428



16.3541, 15.5479, 19.8410



14.8506, 15.5479, 12.2771

Complementary

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



13.2385, 15.5479, 19.4428



12.7235, 11.6683, 10.3861

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.



15.7624, 15.5479, 12.9302



13.2385, 15.5479, 19.4428



16.6530, 15.5479, 17.1381

Square

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



13.2385, 15.5479, 19.4428



15.6313, 15.5479, 21.9238



16.4320, 15.5479, 14.6418



13.9560, 15.5479, 12.7570

Rectangle

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



13.2385, 15.5479, 19.4428



14.3968, 15.5479, 22.4900



16.4320, 15.5479, 14.6418



15.1655, 15.5479, 12.3698

Sweetspot

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



13.2390, 15.5485, 19.4432



27.8979, 30.3504, 34.5248



12.1057, 15.6513, 11.7613



6.3351, 6.9276, 7.9322



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2390, 15.5485, 19.4432



21.9194, 26.4189, 34.0811



11.6016, 12.2738, 18.8974



3.7554, 4.0995, 4.6836



9.2146, 12.7689, 20.5215



44.5677, 61.5520, 99.8921

Inverse Universe

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



13.8939, 11.7453, 17.7551



23.3051, 18.5223, 30.4756



14.1689, 14.5591, 10.8679



3.8126, 3.7523, 4.5397



10.9482, 5.3130, 15.4674



53.1825, 25.8231, 74.4813

Previews

White Background



This preview shows how the XYZ color 13.2385, 15.5479, 19.4428 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 13.2385, 15.5479, 19.4428 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

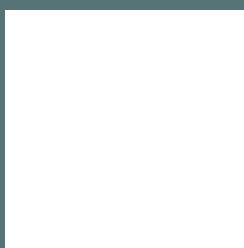
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2385, 15.5479, 19.4428

Background



This preview shows how black text looks on a background with the XYZ color 13.2385, 15.5479, 19.4428.



This preview shows how white text looks on a background with the XYZ color 13.2385, 15.5479,

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

13.2385, 15.5479, 19.4428

Protanopia

14.9363, 15.4672, 18.1178

Deuteranopia

15.8503, 15.5845, 19.9420



Tritanopia

13.5229, 15.4909, 21.0162

Trichromacy



Original Color

13.2385, 15.5479, 19.4428

Protanomaly

14.1458, 15.3734, 18.4415

Deuteranomaly

14.7314, 15.4870, 19.6656

Tritanomaly

13.3990, 15.4413, 20.3634

Monochromacy



Original Color

13.2385, 15.5479, 19.4428

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5908, 14.9522, 17.2087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2385, 15.5479, 19.4428 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(86, 115, 118) looks like.

```
.text, #text, p{  
    color:rgb(86, 115, 118)  
}
```

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(86, 115, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 115, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.2385, 15.5479, 19.4428 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(86, 115, 118) }
```


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

```
.border{ border-color:rgb(86, 115, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 115, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 115, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 115, 118);  
box-shadow:4px 4px 4px 4px rgb(86, 115,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2385, 15.5479, 19.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 115, 118) }
```

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

```
.background{ background-color: rgb(86, 115,  
118) }
```

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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