

Converting Colors

XYZ(13.5903, 15.4177, 20.1497)

Have a look what the booklet for
XYZ(13.5903, 15.4177, 20.1497)
contains.

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Color

**XYZ(13.5117, 15.3400,
20.0181)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7178
RGB	90, 113, 120
RGB Percent	35%, 44%, 47%
CMY	0.6471, 0.5569, 0.5294
CMYK	0.25, 0.06, 0.00, 0.53
HSL	194°, 14%, 41%
HSV	194°, 25%, 47%
XYZ	13.5117, 15.3400, 20.0181
YIQ	106.9210, -15.9550, -2.6990

Conversions

Conversions Part 2

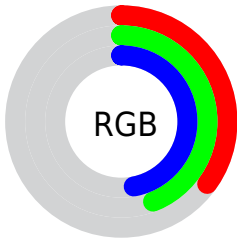
Format	Color
R_{YB}	90, 103, 120
Decimal	5927288
CIE _{Lab}	46.10, -6.70, -6.66
CIE _{LCh}	46, 9.451, 224.811
Yxy	15.3400, 0.2765, 0.3139
Android (android.graphics.Color)	4284117368 (0xFF5A7178)
YUV	106.9210, 6.4479, -14.8397
Hunter-Lab	39.1663, -6.9616, -2.8870

Details

The XYZ color **13.5117, 15.3400, 20.0181** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8659, 13.2805, 11.5056**, and the grayscale version is **13.9395, 14.6654, 15.9706**.

A 20% lighter version of the original color is **31.8860, 35.5515, 44.2113**, and **4.0563, 4.7621, 6.8363** is the 20% darker color. If you saturate the color by 10%, you get **12.1300, 14.1716, 19.8657**, and if you desaturate by 10%, it is **15.0924, 16.6261, 20.1833**.

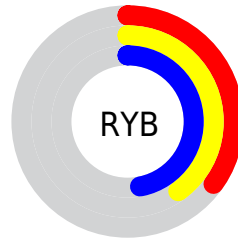
Distribution



Red (35%)

Green (44%)

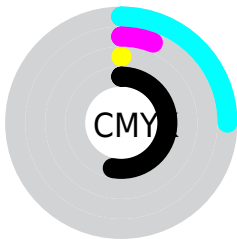
Blue (47%)



Red (35%)

Yellow (40%)

Blue (47%)

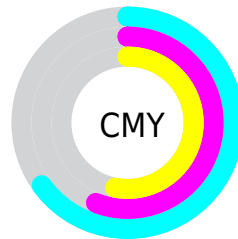


Cyan (25%)

Magenta (6%)

Yellow (0%)

Black (53%)



Cyan (65%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5117, 15.3400, 20.0181 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 13.5117, 15.3400, 20.0181 by changing the saturation by 10% instead.

■ 13.5117, 15.3400,
20.0181

■ 13.5117, 15.3400,
20.0181

207.7435,
225.4150, 264.6206

■ 7.8613, 9.0584,
12.2240

■ 31.8136, 35.4485,
44.3069

■ 4.0574, 4.7793,
6.7720

■ 45.1958, 50.0442,
61.6387

■ 1.7346, 2.1183,
3.2437

■ 61.8860, 68.1801,
82.9867

■ 0.4778, 0.6749,
1.2204

■ 82.2494, 90.2404,
108.7697

■ 0.0000, 0.0000,
0.0000

■ 106.6516,
116.6097, 139.4060

135.4577,

147.6723, 175.3142

169.0333,
183.8126, 216.9129

■ 13.5117, 15.3400,
20.0181

■ 13.5117, 15.3400,
20.0181

■ 12.1300, 14.1716,
19.8657

■ 15.0924, 16.6261,
20.1833

■ 10.9369, 13.1142,
19.7244

■ 16.8792, 18.0325,
20.3606

■ 9.9230, 12.1632,
19.5943

■ 18.8807, 19.5641,
20.5507

■ 9.0773, 11.3129,
19.4748

■ 21.1044, 21.2249,
20.7541

■ 8.3881, 10.5569,
19.3652

■ 23.5574, 23.0188,
20.9710

■ 7.8414, 9.8882,
19.2649

■ 26.2466, 24.9493,
21.2019

■ 7.4155, 9.2952,
19.1729

■ 29.1786, 27.0200,
21.4471

■ 7.2180, 9.0117,
19.1286

■ 32.3597, 29.2343,
21.7068

■ 35.7960, 31.5954,
21.9815

Harmonies

Analogous

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



13.1374, 15.3400, 17.8591



13.5117, 15.3400, 20.0181



14.1793, 15.3400, 21.3455

Triad

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



13.5117, 15.3400, 20.0181



16.1221, 15.3400, 17.8886



14.1889, 15.3400, 12.7808

Complementary

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



13.5117, 15.3400, 20.0181



13.8659, 13.2805, 11.5056

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.



14.9886, 15.3400, 12.7871



13.5117, 15.3400, 20.0181



16.1250, 15.3400, 15.5972

Square

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



13.5117, 15.3400, 20.0181



15.6961, 15.3400, 20.0414



15.7036, 15.3400, 13.7751



13.5185, 15.3400, 13.7570

Rectangle

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



13.5117, 15.3400, 20.0181



14.7101, 15.3400, 21.5095



15.7036, 15.3400, 13.7751



14.4511, 15.3400, 12.6712

Sweetspot

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



13.5122, 15.3406, 20.0184



28.9731, 31.1599, 35.7405



13.0676, 16.4606, 13.6761



6.8343, 7.3596, 8.4670



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.5122, 15.3406, 20.0184



22.3294, 25.7773, 35.0517



12.0214, 12.3592, 19.5215



4.0316, 4.3615, 5.0725



7.8633, 9.8091, 20.8642



36.8361, 45.4448, 99.3001

Inverse Universe

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



14.3829, 12.4979, 17.2778



24.1647, 19.9699, 29.2335



15.3306, 16.2098, 11.9938



4.1164, 4.0623, 4.8106



10.5524, 5.1971, 11.4657



49.9963, 24.6549, 52.9040

Previews

White Background



This preview shows how the XYZ color 13.5117, 15.3400, 20.0181 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 13.5117, 15.3400, 20.0181 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

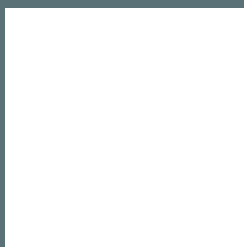
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5117, 15.3400, 20.0181

Background



This preview shows how black text looks on a background with the XYZ color 13.5117, 15.3400, 20.0181.



This preview shows how white text looks on a background with the XYZ color 13.5117, 15.3400,

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

13.5117, 15.3400, 20.0181

Protanopia

14.7578, 15.1976, 18.9852

Deuteranopia

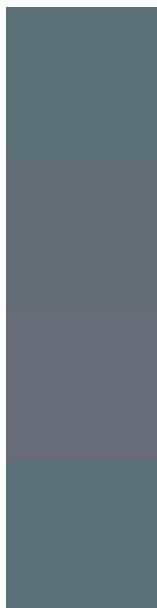
15.5447, 15.2660, 20.2165



Tritanopia

13.6344, 15.3891, 20.6641

Trichromacy



Original Color

13.5117, 15.3400, 20.0181

Protanomaly

14.2128, 15.2266, 19.3295

Deuteranomaly

14.7455, 15.3210, 20.2692

Tritanomaly

13.5728, 15.3644, 20.3394

Monochromacy



Original Color

13.5117, 15.3400, 20.0181

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7601, 14.8738, 17.4749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5117, 15.3400, 20.0181 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(90, 113, 120) looks like.

```
.text, #text, p{  
    color:rgb(90, 113, 120)  
}
```

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(90, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 113, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.5117, 15.3400, 20.0181 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(90, 113, 120) }
```


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

```
.border{ border-color:rgb(90, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(90, 113,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5117, 15.3400, 20.0181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 113, 120) }
```

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

```
.background{ background-color: rgb(90, 113,  
120) }
```

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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