

Converting Colors

XYZ(13.4312, 15.5695, 19.4014)

Have a look what the booklet for
XYZ(13.4312, 15.5695, 19.4014)
contains.

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Color

**XYZ(13.5206, 15.6933,
19.4560)**

Conversions

Conversions Part 1

Format	Color
Hex	597376
RGB	89, 115, 118
RGB Percent	35%, 45%, 46%
CMY	0.6510, 0.5490, 0.5373
CMYK	0.25, 0.03, 0.00, 0.54
HSL	186°, 14%, 41%
HSV	186°, 25%, 46%
XYZ	13.5206, 15.6933, 19.4560
YIQ	107.5680, -16.4590, -4.5790

Conversions

Conversions Part 2

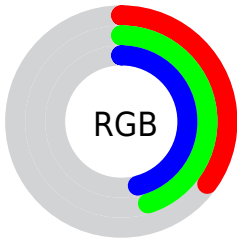
Format	Color
R_{YB}	89, 103, 118
Decimal	5862262
CIE _{Lab}	46.57, -8.69, -4.77
CIE _{LCh}	47, 9.911, 208.775
Yxy	15.6933, 0.2778, 0.3224
Android (android.graphics.Color)	4284052342 (0xFF597376)
YUV	107.5680, 5.1430, -16.2841
Hunter-Lab	39.6148, -8.4034, -1.3888

Details

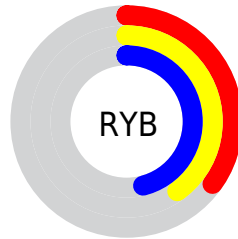
The XYZ color **13.5206, 15.6933, 19.4560** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1018, 12.2273, 11.1212**, and the grayscale version is **14.1228, 14.8583, 16.1807**.

A 20% lighter version of the original color is **31.8896, 36.1152, 43.3204**, and **4.0675, 4.9487, 6.5352** is the 20% darker color. If you saturate the color by 10%, you get **12.3397, 14.8797, 19.3615**, and if you desaturate by 10%, it is **14.8858, 16.6054, 19.5604**.

Distribution



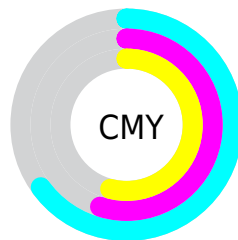
- Red (35%)
- Green (45%)
- Blue (46%)



- Red (35%)
- Yellow (40%)
- Blue (46%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (54%)



- Cyan (65%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5206, 15.6933, 19.4560 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 13.5206, 15.6933, 19.4560 by changing the saturation by 10% instead.

■ 13.5206, 15.6933,
19.4560

■ 13.5206, 15.6933,
19.4560

207.7986,
227.5251, 261.4608

■ 7.8675, 9.3074,
11.8201

■ 31.8294, 36.0649,
43.3501

■ 4.0613, 4.9422,
6.5002

■ 45.2157, 50.8194,
60.4455

■ 1.7369, 2.2134,
3.0779

■ 61.9105, 69.1323,
81.5310

■ 0.4792, 0.7273,
1.1346

■ 82.2791, 91.3878,
107.0253

■ 0.0000, 0.0000,
0.0000

■ 106.6868,
117.9705, 137.3469

135.4991,

149.2647, 172.9143

169.0812,
185.6547, 214.1461

■ 13.5206, 15.6933,
19.4560

■ 13.5206, 15.6933,
19.4560

■ 12.3397, 14.8797,
19.3615

■ 14.8858, 16.6054,
19.5604

■ 11.3331, 14.1583,
19.2753

■ 16.4420, 17.6183,
19.6739

■ 10.4919, 13.5249,
19.1973

■ 18.1972, 18.7366,
19.7972

■ 9.8059, 12.9742,
19.1272

■ 20.1587, 19.9640,
19.9307

■ 9.2637, 12.5003,
19.0643

■ 22.3331, 21.3039,
20.0747

■ 8.8523, 12.0966,
19.0081

■ 24.7271, 22.7598,
20.2296

■ 8.5519, 11.7527,
18.9575

■ 27.3467, 24.3349,
20.3955

■ 8.4034, 11.5747,
18.9310

■ 30.1981, 26.0321,
20.5729

■ 33.2869, 27.8546,
20.7618

Harmonies

Analogous

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



13.3317, 15.6933, 16.9868



13.5206, 15.6933, 19.4560



14.0797, 15.6933, 21.4392

Triad

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



13.5206, 15.6933, 19.4560



16.3668, 15.6933, 19.6468



14.9512, 15.6933, 12.7982

Complementary

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



13.5206, 15.6933, 19.4560



13.1018, 12.2273, 11.1212

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.



15.7848, 15.6933, 13.3683



13.5206, 15.6933, 19.4560



16.6212, 15.6933, 17.1883

Square

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



13.5206, 15.6933, 19.4560



15.7216, 15.6933, 21.5565



16.4043, 15.6933, 14.9192



14.1384, 15.6933, 13.2829

Rectangle

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



13.5206, 15.6933, 19.4560



14.5982, 15.6933, 22.1354



16.4043, 15.6933, 14.9192



15.2384, 15.6933, 12.8718

Sweetspot

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



13.5211, 15.6939, 19.4564



28.1657, 30.4980, 34.5392



12.5260, 15.8520, 12.5023



6.4506, 6.9957, 7.9393



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.



13.5211, 15.6939, 19.4564



22.6657, 26.8370, 34.1224



12.0052, 12.6621, 18.9511



3.7525, 4.0937, 4.6826



9.0860, 12.5117, 20.4787



43.9114, 60.2393, 99.6733

Inverse Universe

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



14.1385, 12.2346, 17.8366



23.9441, 19.7820, 30.7446



14.4701, 14.9639, 11.5773



3.8111, 3.7517, 4.5321



10.8833, 5.2870, 15.1256



52.8512, 25.6906, 72.7368

Previews

White Background



This preview shows how the XYZ color 13.5206, 15.6933, 19.4560 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 13.5206, 15.6933, 19.4560 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

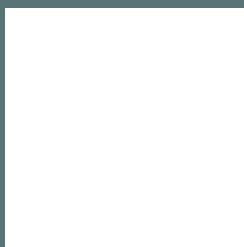
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5206, 15.6933, 19.4560

Background



This preview shows how black text looks on a background with the XYZ color 13.5206, 15.6933, 19.4560.



This preview shows how white text looks on a background with the XYZ color 13.5206, 15.6933,

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

13.5206, 15.6933, 19.4560

Protanopia

15.1187, 15.5546, 18.4252

Deuteranopia

15.8503, 15.5845, 19.9420



Tritanopia

13.8089, 15.6383, 21.0296

Trichromacy



Original Color

13.5206, 15.6933, 19.4560

Protanomaly

14.4303, 15.5134, 18.7568

Deuteranomaly

14.8496, 15.5479, 19.6712

Tritanomaly

13.6850, 15.5888, 20.3768

Monochromacy



Original Color

13.5206, 15.6933, 19.4560

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9759, 15.3054, 17.5469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5206, 15.6933, 19.4560 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(89, 115, 118)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 115, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 115, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.5206, 15.6933, 19.4560 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(89, 115, 118) }
```


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

```
.border{ border-color:rgb(89, 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(89, 115, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 115, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 115, 118);  
box-shadow:4px 4px 4px 4px rgb(89, 115,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5206, 15.6933, 19.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 115, 118) }
```

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

```
.background{ background-color: rgb(89, 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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