

Converting Colors

XYZ(13.1996, 15.1930, 19.3764)

Have a look what the booklet for
XYZ(13.1996, 15.1930, 19.3764)
contains.

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Color

**XYZ(13.1996, 15.1930,
19.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	587176
RGB	88, 113, 118
RGB Percent	35%, 44%, 46%
CMY	0.6549, 0.5569, 0.5373
CMYK	0.25, 0.04, 0.00, 0.54
HSL	190°, 15%, 40%
HSV	190°, 25%, 46%
XYZ	13.1996, 15.1930, 19.3764
YIQ	106.0950, -16.5050, -3.7450

Conversions

Conversions Part 2

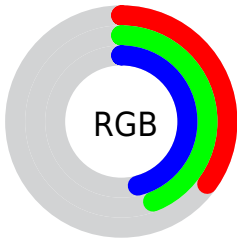
Format	Color
R_{YB}	88, 102, 118
Decimal	5796214
CIE _{Lab}	45.90, -7.87, -5.78
CIE _{LCh}	46, 9.764, 216.267
Yxy	15.1930, 0.2763, 0.3181
Android (android.graphics.Color)	4283986294 (0xFF587176)
YUV	106.0950, 5.8692, -15.8693
Hunter-Lab	38.9782, -7.7645, -2.1888

Details

The XYZ color **13.1996, 15.1930, 19.3764** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1470, 12.3847, 10.9302**, and the grayscale version is **13.7136, 14.4278, 15.7119**.

A 20% lighter version of the original color is **31.3583, 35.3015, 43.1913**, and **3.9102, 4.6942, 6.4943** is the 20% darker color. If you saturate the color by 10%, you get **11.9550, 14.2297, 19.2563**, and if you desaturate by 10%, it is **14.6307, 16.2603, 19.5072**.

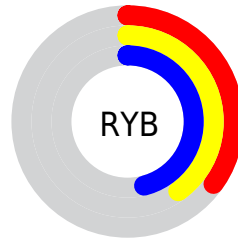
Distribution



Red (35%)

Green (44%)

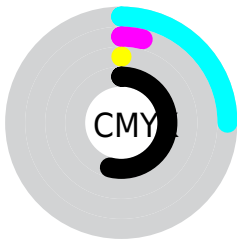
Blue (46%)



Red (35%)

Yellow (40%)

Blue (46%)

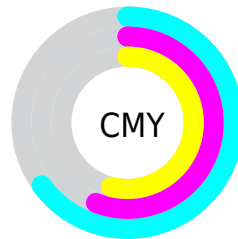


Cyan (25%)

Magenta (4%)

Yellow (0%)

Black (54%)



Cyan (65%)

Magenta (56%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1996, 15.1930, 19.3764 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 13.1996, 15.1930, 19.3764 by changing the saturation by 10% instead.

■ 13.1996, 15.1930,
19.3764

■ 13.1996, 15.1930,
19.3764

205.8048,
224.5314, 261.0105

■ 7.6441, 8.9550,
11.7630

■ 31.2602, 35.1914,
43.2143

■ 3.9179, 4.7118,
6.4619

■ 44.4960, 49.7205,
60.2759

■ 1.6558, 2.0792,
3.0547

■ 61.0225, 67.7822,
81.3240

■ 0.4284, 0.6529,
1.1226

■ 81.2053, 89.7607,
106.7771

■ 0.0000, 0.0000,
0.0000

■ 105.4095,
116.0405, 137.0537

134.0006,

147.0059, 172.5725

167.3439,
183.0415, 213.7519

■ 13.1996, 15.1930,
19.3764

■ 13.1996, 15.1930,
19.3764

■ 11.9550, 14.2297,
19.2563

■ 14.6307, 16.2603,
19.5072

■ 10.8867, 13.3639,
19.1455

■ 16.2551, 17.4340,
19.6482

■ 9.9860, 12.5914,
19.0439

■ 18.0809, 18.7186,
19.7999

■ 9.2423, 11.9068,
18.9509

■ 20.1153, 20.1179,
19.9628

■ 8.6442, 11.3042,
18.8661

■ 22.3650, 21.6355,
20.1371

■ 8.1786, 10.7767,
18.7888

■ 24.8368, 23.2749,
20.3233

■ 7.8224, 10.3123,
18.7180

■ 27.5369, 25.0391,
20.5215

■ 7.6698, 10.1074,
18.6865

■ 30.4711, 26.9316,
20.7321

■ 33.6455, 28.9551,
20.9554

Harmonies

Analogous

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



12.9212, 15.1930, 17.0432



13.1996, 15.1930, 19.3764



13.8118, 15.1930, 21.0568

Triad

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



13.1996, 15.1930, 19.3764



15.9409, 15.1930, 18.4381



14.2681, 15.1930, 12.4274

Complementary

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



13.1996, 15.1930, 19.3764



13.1470, 12.3847, 10.9302

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.



15.0880, 15.1930, 12.7246



13.1996, 15.1930, 19.3764



16.0744, 15.1930, 16.0519

Square

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



13.1996, 15.1930, 19.3764



15.3988, 15.1930, 20.4800



15.7568, 15.1930, 13.9995



13.5228, 15.1930, 13.1452

Rectangle

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



13.1996, 15.1930, 19.3764



14.3375, 15.1930, 21.4995



15.7568, 15.1930, 13.9995



14.5440, 15.1930, 12.4129

Sweetspot

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



13.2000, 15.1936, 19.3767



27.7538, 30.0622, 34.4768



12.4568, 15.8133, 12.6361



6.2970, 6.8513, 7.9195



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.



13.2000, 15.1936, 19.3767



21.7830, 25.6186, 33.9338



11.7093, 12.2121, 18.8798



3.7339, 4.0564, 4.6764



8.2898, 10.9193, 20.2133



39.8604, 52.1373, 98.3229

Inverse Universe

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



13.9419, 12.0235, 17.2095



23.3651, 19.0393, 29.2712



14.5429, 15.1763, 11.3955



3.8017, 3.7480, 4.4825



10.4815, 5.1263, 13.0094



50.8064, 24.8727, 61.9692

Previews

White Background



This preview shows how the XYZ color 13.1996, 15.1930, 19.3764 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 13.1996, 15.1930, 19.3764 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

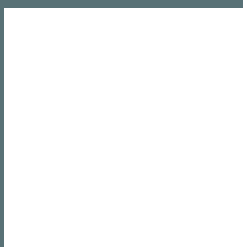
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1996, 15.1930, 19.3764

Background



This preview shows how black text looks on a background with the XYZ color 13.1996, 15.1930, 19.3764.



This preview shows how white text looks on a background with the XYZ color 13.1996, 15.1930,

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

13.1996, 15.1930, 19.3764

Protanopia

14.6414, 15.1511, 18.3724

Deuteranopia

15.3812, 15.0366, 19.8610



Tritanopia

13.3652, 15.0927, 20.2979

Trichromacy



Original Color

13.1996, 15.1930, 19.3764

Protanomaly

14.0951, 15.1795, 18.7100

Deuteranomaly

14.5180, 15.0603, 19.5945

Tritanomaly

13.3042, 15.0683, 19.9766

Monochromacy



Original Color

13.1996, 15.1930, 19.3764

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4287, 14.7157, 16.8845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1996, 15.1930, 19.3764 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(88, 113, 118) looks like.

```
.text, #text, p{  
    color:rgb(88, 113, 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(88, 113, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 113, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.1996, 15.1930, 19.3764 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(88, 113, 118) }
```


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

```
.border{ border-color:rgb(88, 113, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 113, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 113, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 113, 118);  
box-shadow:4px 4px 4px 4px rgb(88, 113,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1996, 15.1930, 19.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 113, 118) }
```

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

```
.background{ background-color: rgb(88, 113,  
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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