

Converting Colors

XYZ(13.1845, 13.1506, 19.4788)

Have a look what the booklet for
XYZ(13.1845, 13.1506, 19.4788)
contains.

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Color

**XYZ(13.2029, 13.1797,
19.6174)**

Conversions

Conversions Part 1

Format	Color
Hex	646478
RGB	100, 100, 120
RGB Percent	39%, 39%, 47%
CMY	0.6078, 0.6078, 0.5294
CMYK	0.17, 0.17, 0.00, 0.53
HSL	240°, 9%, 43%
HSV	240°, 17%, 47%
XYZ	13.2029, 13.1797, 19.6174
YIQ	102.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

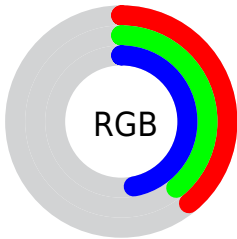
Format	Color
R_{YB}	100, 100, 120
Decimal	6579320
CIE _{Lab}	43.03, 4.50, -11.18
CIE _{LCh}	43, 12.050, 291.914
Yxy	13.1797, 0.2870, 0.2865
Android (android.graphics.Color)	4284769400 (0xFF646478)
YUV	102.2800, 8.7360, -1.9996
Hunter-Lab	36.3039, 1.3847, -6.6256

Details

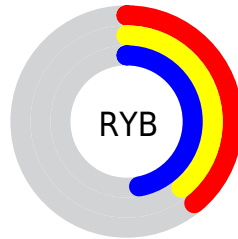
The XYZ color **13.2029, 13.1797, 19.6174** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7627, 18.3463, 14.7148**, and the grayscale version is **12.6819, 13.3424, 14.5298**.

A 20% lighter version of the original color is **31.2755, 31.6911, 43.4983**, and **3.9110, 3.7710, 6.6526** is the 20% darker color. If you saturate the color by 10%, you get **10.9048, 10.4107, 19.2043**, and if you desaturate by 10%, it is **15.8669, 16.3897, 20.0968**.

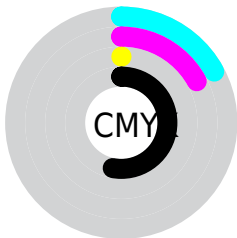
Distribution



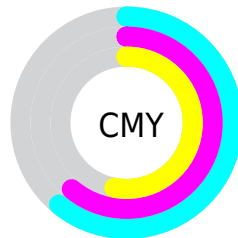
- Red (39%)
- Green (39%)
- Blue (47%)



- Red (39%)
- Yellow (39%)
- Blue (47%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2029, 13.1797, 19.6174 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 13.2029, 13.1797, 19.6174 by changing the saturation by 10% instead.

■ 13.2029, 13.1797,
19.6174

■ 13.2029, 13.1797,
19.6174

205.8254,
212.0662, 262.3717

■ 7.6464, 7.5524,
11.9359

■ 31.2660, 31.6262,
43.6253

■ 3.9194, 3.8099,
6.5781

■ 44.5034, 45.2143,
60.7888

■ 1.6566, 1.5678,
3.1252

■ 61.0317, 62.2247,
81.9501

■ 0.4289, 0.3357,
1.1589

■ 81.2163, 83.0419,
107.5276

■ 0.0000, 0.0000,
0.0000

105.4227,
108.0502, 137.9400

134.0161,

137.6341, 173.6058

167.3618,
172.1780, 214.9435

■ 13.2029, 13.1797,
19.6174

■ 13.2029, 13.1797,
19.6174

■ 10.9048, 10.4107,
19.2043

■ 15.8669, 16.3897,
20.0968

■ 8.9554, 8.0618,
18.8536

■ 18.9106, 20.0571,
20.6443

■ 7.3382, 6.1132,
18.5627

■ 22.3483, 24.1993,
21.2626

■ 6.0346, 4.5424,
18.3283

■ 26.1935, 28.8325,
21.9542

■ 5.0242, 3.3250,
18.1465

■ 30.4589, 33.9721,
22.7215

■ 4.2844, 2.4336,
18.0135

■ 35.1568, 39.6327,
23.5664

■ 3.7892, 1.8369,
17.9244

■ 40.2987, 45.8283,
24.4913

■ 3.4837, 1.4688,
17.8694

■ 45.8960, 52.5727,
25.4981

■ 3.3902, 1.3561,
17.8526

■ 51.9595, 59.8788,
26.5887

Harmonies

Analogous

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



12.2782, 13.1797, 20.0112



13.2029, 13.1797, 19.6174



13.9805, 13.1797, 17.7296

Triad

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



13.2029, 13.1797, 19.6174



13.6571, 13.1797, 10.7010



10.8463, 13.1797, 13.6454

Complementary

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



13.2029, 13.1797, 19.6174



16.7627, 18.3463, 14.7148

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.



11.1777, 13.1797, 11.4305



13.2029, 13.1797, 19.6174



12.7789, 13.1797, 9.8727

Square

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



13.2029, 13.1797, 19.6174



14.2516, 13.1797, 12.5311



11.8744, 13.1797, 10.1222



10.9473, 13.1797, 16.3379

Rectangle

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



13.2029, 13.1797, 19.6174



14.2959, 13.1797, 15.9916



11.8744, 13.1797, 10.1222



10.9102, 13.1797, 12.8256

Sweetspot

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



13.2033, 13.1802, 19.6177



28.6886, 29.7683, 35.4869



15.3423, 17.4906, 20.2311



6.7302, 6.9720, 8.3977



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.



13.2033, 13.1802, 19.6177



21.6016, 21.2290, 34.2121



14.3367, 13.7645, 19.6707



3.7976, 3.8936, 4.9946



3.6985, 1.4794, 19.4759



17.6421, 7.0569, 92.9021

Inverse Universe

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



14.6035, 14.0279, 13.9951



24.5523, 23.0153, 22.3635



15.4890, 17.6898, 14.6552



3.9983, 4.0150, 4.1887



8.4502, 4.3562, 0.3955



40.3081, 20.7796, 1.8865

Previews

White Background



This preview shows how the XYZ color 13.2029, 13.1797, 19.6174 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 13.2029, 13.1797, 19.6174 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 13.2029, 13.1797, 19.6174

Background



This preview shows how black text looks on a background with the XYZ color 13.2029, 13.1797, 19.6174.



This preview shows how white text looks on a background with the XYZ color 13.2029, 13.1797,

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

13.2029, 13.1797, 19.6174

Protanopia

13.0808, 13.2601, 19.6393

Deuteranopia

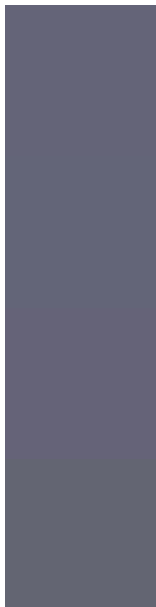
13.3315, 13.1045, 19.5961



Tritanopia

12.6028, 13.2252, 16.6403

Trichromacy



Original Color

13.2029, 13.1797, 19.6174

Protanomaly

13.1894, 13.3161, 19.6444

Deuteranomaly

13.2188, 13.0464, 19.5908

Tritanomaly

12.8365, 13.1749, 17.7860

Monochromacy



Original Color

13.2029, 13.1797, 19.6174

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7808, 13.1782, 16.3380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2029, 13.1797, 19.6174 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(100, 100, 120)` looks like.

```
.text, #text, p{  
    color:rgb(100, 100, 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(100, 100, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 100, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.2029, 13.1797, 19.6174 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(100, 100, 120) }
```


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

```
.border{ border-color:rgb(100, 100, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 100, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 100, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 100, 120); box-shadow:4px 4px 4px 4px rgb(100, 100, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2029, 13.1797, 19.6174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 100, 120) }
```

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

```
.background{ background-color: rgb(100,  
100, 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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