

Converting Colors

XYZ(13.1051, 12.8876, 19.5185)

Have a look what the booklet for
XYZ(13.1051, 12.8876, 19.5185)
contains.

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Color

**XYZ(13.1247, 12.8581,
19.5594)**

Conversions

Conversions Part 1

Format	Color
Hex	656278
RGB	101, 98, 120
RGB Percent	40%, 38%, 47%
CMY	0.6039, 0.6157, 0.5294
CMYK	0.16, 0.18, 0.00, 0.53
HSL	248°, 10%, 43%
HSV	248°, 18%, 47%
XYZ	13.1247, 12.8581, 19.5594
YIQ	101.4050, -5.2740, 7.4780

Conversions

Conversions Part 2

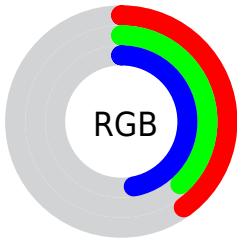
Format	Color
R_{YB}	101, 98, 120
Decimal	6644344
CIE _{Lab}	42.55, 6.07, -11.90
CIE _{LCh}	43, 13.361, 297.026
Yxy	12.8581, 0.2882, 0.2823
Android (android.graphics.Color)	4284834424 (0xFF656278)
YUV	101.4050, 9.1673, -0.3552
Hunter-Lab	35.8582, 2.5822, -7.2399

Details

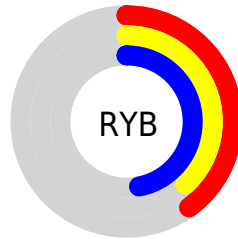
The XYZ color **13.1247, 12.8581, 19.5594** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2575, 18.0969, 14.1920**, and the grayscale version is **12.4527, 13.1012, 14.2672**.

A 20% lighter version of the original color is **31.1427, 31.1488, 43.4007**, and **3.9190, 3.7081, 6.6401** is the 20% darker color. If you saturate the color by 10%, you get **10.9969, 10.2178, 19.1621**, and if you desaturate by 10%, it is **15.5680, 15.9117, 20.0202**.

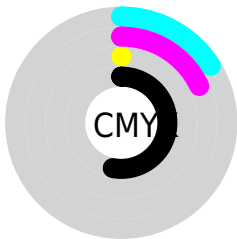
Distribution



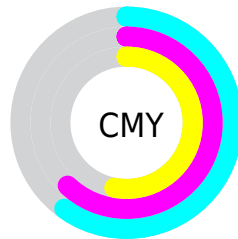
- Red (40%)
- Green (38%)
- Blue (47%)



- Red (40%)
- Yellow (38%)
- Blue (47%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1247, 12.8581, 19.5594 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 13.1247, 12.8581, 19.5594 by changing the saturation by 10% instead.

■ 13.1247, 12.8581,
19.5594

■ 13.1247, 12.8581,
19.5594

205.3368,
210.0062, 262.0447

■ 7.5921, 7.3309,
11.8943

■ 31.1270, 31.0486,
43.5265

■ 3.8846, 3.6699,
6.5501

■ 44.3275, 44.4807,
60.6655

■ 1.6371, 1.4907,
3.1082

■ 60.8145, 61.3166,
81.7996

■ 0.4164, 0.2822,
1.1501

■ 80.9536, 81.9406,
107.3472

■ 0.0000, 0.0000,
0.0000

105.1100,
106.7372, 137.7270

133.6491,

136.0908, 173.3575

166.9362,
170.3856, 214.6572

■ 13.1247, 12.8581,
19.5594

■ 13.1247, 12.8581,
19.5594

■ 10.9969, 10.2178,
19.1621

■ 15.5680, 15.9117,
20.0202

■ 9.1706, 7.9713,
18.8248

■ 18.3378, 19.3935,
20.5463

■ 7.6323, 6.1003,
18.5447

■ 21.4459, 23.3199,
21.1404

■ 6.3671, 4.5840,
18.3187

■ 24.9033, 27.7058,
21.8047

■ 5.3588, 3.3999,
18.1433

■ 28.7205, 32.5655,
22.5415

■ 4.5895, 2.5228,
18.0145

■ 32.9074, 37.9124,
23.3529

■ 4.0387, 1.9235,
17.9279

■ 37.4737, 43.7598,
24.2409

■ 3.6631, 1.5290,
17.8716

■ 42.4286, 50.1203,
25.2074

■ 3.6101, 1.4695,
17.8628

■ 47.7811, 57.0058,
26.2544

Harmonies

Analogous

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



12.1208, 12.8581, 20.3184



13.1247, 12.8581, 19.5594



13.9231, 12.8581, 17.2492

Triad

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



13.1247, 12.8581, 19.5594



13.3085, 12.8581, 9.8351



10.3834, 12.8581, 13.7139

Complementary

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



13.1247, 12.8581, 19.5594



16.2575, 18.0969, 14.1920

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.



10.6640, 12.8581, 11.1873



13.1247, 12.8581, 19.5594



12.3222, 12.8581, 9.1500

Square

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



13.1247, 12.8581, 19.5594



14.0333, 12.8581, 11.6230



11.3602, 12.8581, 9.6090



10.5723, 12.8581, 16.6815

Rectangle

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



13.1247, 12.8581, 19.5594



14.2121, 12.8581, 15.2858



11.3602, 12.8581, 9.6090



10.4255, 12.8581, 12.7889

Sweetspot

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



13.1251, 12.8586, 19.5597



28.8809, 29.8675, 35.4959



14.7966, 16.6912, 20.2113



6.7805, 6.9979, 8.4000



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.



13.1251, 12.8586, 19.5597



21.4436, 20.5752, 34.0943



14.4318, 13.5323, 19.6208



3.8438, 3.9174, 4.9967



3.9303, 1.5989, 19.4868



18.3158, 7.4042, 92.9336

Inverse Universe

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



15.3246, 14.0132, 18.7270



26.0773, 23.0085, 32.2953



14.8732, 17.3833, 14.1272



4.1321, 4.0686, 4.8933



11.1523, 5.4371, 14.6245



52.9664, 25.8429, 68.5445

Previews

White Background



This preview shows how the XYZ color 13.1247, 12.8581, 19.5594 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 13.1247, 12.8581, 19.5594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

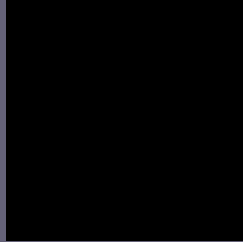
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1247, 12.8581, 19.5594

Background



This preview shows how black text looks on a background with the XYZ color 13.1247, 12.8581, 19.5594.



This preview shows how white text looks on a background with the XYZ color 13.1247, 12.8581,

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

13.1247, 12.8581, 19.5594

Protanopia

12.8322, 12.9816, 19.9185

Deuteranopia

13.1247, 12.8581, 19.5594



Tritanopia

12.4095, 12.8497, 16.0135

Trichromacy



Original Color

13.1247, 12.8581, 19.5594

Protanomaly

12.9500, 12.9008, 19.8967

Deuteranomaly

13.1247, 12.8581, 19.5594

Tritanomaly

12.6420, 12.8029, 17.1341

Monochromacy



Original Color

13.1247, 12.8581, 19.5594

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6308, 12.9638, 16.0239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1247, 12.8581, 19.5594 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(101, 98, 120)` looks like.

```
.text, #text, p{  
    color:rgb(101, 98, 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(101, 98, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 98, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.1247, 12.8581, 19.5594 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(101, 98, 120) }
```


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

```
.border{ border-color:rgb(101, 98, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 98, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 98, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 98, 120);  
box-shadow:4px 4px 4px 4px rgb(101, 98,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1247, 12.8581, 19.5594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 98, 120) }
```

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

```
.background{ background-color: rgb(101, 98,  
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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