

Converting Colors

XYZ(12.5123, 13.1285, 19.4410)

Have a look what the booklet for
XYZ(12.5123, 13.1285, 19.4410)
contains.

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Color

**XYZ(12.4948, 13.1100,
19.3247)**

Conversions

Conversions Part 1

Format	Color
Hex	5C6677
RGB	92, 102, 119
RGB Percent	36%, 40%, 47%
CMY	0.6392, 0.6000, 0.5333
CMYK	0.23, 0.14, 0.00, 0.53
HSL	218°, 13%, 41%
HSV	218°, 23%, 47%
XYZ	12.4948, 13.1100, 19.3247
YIQ	100.9480, -11.4170, 3.1670

Conversions

Conversions Part 2

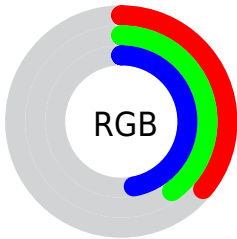
Format	Color
R_{YB}	92, 99, 119
Decimal	6055543
CIE Lab	42.93, 0.23, -10.79
CIE LCh	43, 10.797, 271.230
Yxy	13.1100, 0.2781, 0.2918
Android (android.graphics.Color)	4284245623 (0xFF5C6677)
YUV	100.9480, 8.8996, -7.8474
Hunter-Lab	36.2077, -1.7656, -6.2987

Details

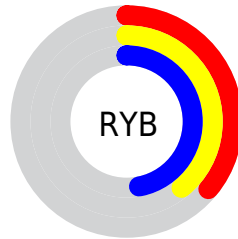
The XYZ color **12.4948, 13.1100, 19.3247** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0083, 15.6319, 12.3518**, and the grayscale version is **12.3364, 12.9789, 14.1340**.

A 20% lighter version of the original color is **30.0696, 31.5624, 43.0354**, and **3.5857, 3.7452, 6.4951** is the 20% darker color. If you saturate the color by 10%, you get **10.6949, 11.1383, 19.0392**, and if you desaturate by 10%, it is **14.5489, 15.3122, 19.6417**.

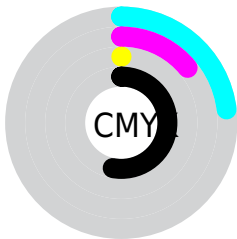
Distribution



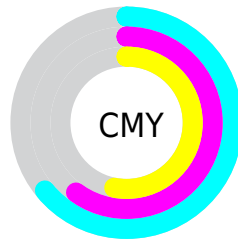
- Red (36%)
- Green (40%)
- Blue (47%)



- Red (36%)
- Yellow (39%)
- Blue (47%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (53%)



- Cyan (64%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4948, 13.1100, 19.3247 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 12.4948, 13.1100, 19.3247 by changing the saturation by 10% instead.

■ 12.4948, 13.1100,
19.3247

■ 12.4948, 13.1100,
19.3247

201.3578,
211.6214, 260.7177

■ 7.1562, 7.5043,
11.7260

■ 30.0022, 31.5013,
43.1260

■ 3.6072, 3.7795,
6.4371

■ 42.9018, 45.0557,
60.1657

■ 1.4824, 1.5510,
3.0396

■ 59.0523, 62.0284,
81.1894

■ 0.3138, 0.3242,
1.1149

■ 78.8192, 82.8039,
106.6157

■ 0.0000, 0.0000,
0.0000

102.5679,
107.7666, 136.8632

130.6636,

137.3008, 172.3503

163.4718,
171.7910, 213.4956

■ 12.4948, 13.1100,
19.3247

■ 12.4948, 13.1100,
19.3247

■ 10.6949, 11.1383,
19.0392

■ 14.5489, 15.3122,
19.6417

■ 9.1375, 9.3875,
18.7833

■ 16.8657, 17.7508,
19.9903

■ 7.8117, 7.8496,
18.5564

■ 19.4549, 20.4336,
20.3717

■ 6.7054, 6.5155,
18.3572

■ 22.3253, 23.3674,
20.7867

■ 5.8053, 5.3753,
18.1845

■ 25.4854, 26.5589,
21.2361

■ 5.0963, 4.4182,
18.0372

■ 28.9432, 30.0144,
21.7209

■ 4.5605, 3.6317,
17.9136

■ 32.7064, 33.7399,
22.2416

■ 4.2335, 3.1393,
17.8358

■ 36.7824, 37.7414,
22.7992

■ 41.1784, 42.0246,
23.3942

Harmonies

Analogous

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



11.7114, 13.1100, 18.6466



12.4948, 13.1100, 19.3247



13.3028, 13.1100, 18.5301

Triad

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



12.4948, 13.1100, 19.3247



13.8694, 13.1100, 12.0427



11.1191, 13.1100, 12.1944

Complementary

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



12.4948, 13.1100, 19.3247



15.0083, 15.6319, 12.3518

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.



11.6548, 13.1100, 10.7262



12.4948, 13.1100, 19.3247



13.2412, 13.1100, 10.6456

Square

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



12.4948, 13.1100, 19.3247



14.1177, 13.1100, 14.1771



12.4266, 13.1100, 10.1911



10.9386, 13.1100, 14.3725

Rectangle

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



12.4948, 13.1100, 19.3247



13.7410, 13.1100, 17.3180



12.4266, 13.1100, 10.1911



11.2624, 13.1100, 11.6103

Sweetspot

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



12.4952, 13.1105, 19.3250



28.2794, 29.7726, 35.5093



13.7522, 16.5658, 16.8424



6.6608, 7.0125, 8.4092



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.



12.4952, 13.1105, 19.3250



20.7085, 21.6616, 34.3427



11.8921, 11.4275, 19.0319



3.6015, 3.7916, 4.6323



4.4891, 3.3178, 18.9464



21.1161, 14.6488, 92.0749

Inverse Universe

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



13.8335, 12.5359, 14.2616



23.5599, 20.5447, 23.5305



15.7114, 17.6693, 12.7080



3.7348, 3.7212, 4.1305



8.5630, 4.3589, 2.9070



41.3452, 21.0882, 12.1470

Previews

White Background



This preview shows how the XYZ color 12.4948, 13.1100, 19.3247 looks on a white background.

Color Contrast Check

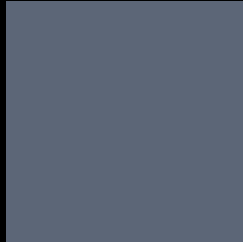
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4948, 13.1100, 19.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

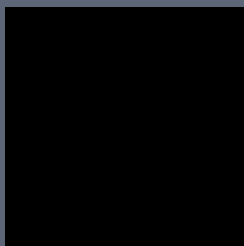
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

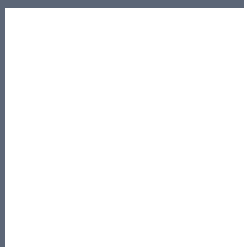
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4948, 13.1100, 19.3247

Background



This preview shows how black text looks on a background with the XYZ color 12.4948, 13.1100, 19.3247.



This preview shows how white text looks on a background with the XYZ color 12.4948, 13.1100,

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

12.4948, 13.1100, 19.3247

Protanopia

12.8642, 13.0190, 18.9744

Deuteranopia

13.3315, 13.1045, 19.5961



Tritanopia

12.0893, 13.0945, 17.2196

Trichromacy



Original Color

12.4948, 13.1100, 19.3247

Protanomaly

12.7476, 13.1022, 18.9966

Deuteranomaly

12.9843, 13.0671, 19.6071

Tritanomaly

12.2591, 13.1624, 18.1141

Monochromacy



Original Color

12.4948, 13.1100, 19.3247

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3975, 12.9867, 16.0406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4948, 13.1100, 19.3247 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(92, 102, 119) looks like.

```
.text, #text, p{  
    color:rgb(92, 102, 119)  
}
```

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(92, 102, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 102, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.4948, 13.1100, 19.3247 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(92, 102, 119) }
```


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

```
.border{ border-color:rgb(92, 102, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 102, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 102, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 102, 119);  
box-shadow:4px 4px 4px 4px rgb(92, 102,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4948, 13.1100, 19.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 102, 119) }
```

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

```
.background{ background-color: rgb(92, 102,  
119) }
```

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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