

Converting Colors

XYZ(12.2362, 12.5580, 14.5584)

Have a look what the booklet for
XYZ(12.2362, 12.5580, 14.5584)
contains.

XYZ(12.1827, 12.4813, 14.5990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.1827, 12.4813,
14.5990)**

Conversions

Conversions Part 1

Format	Color
Hex	656267
RGB	101, 98, 103
RGB Percent	40%, 38%, 40%
CMY	0.6039, 0.6157, 0.5961
CMYK	0.02, 0.05, 0.00, 0.60
HSL	276°, 2%, 39%
HSV	276°, 5%, 40%
XYZ	12.1827, 12.4813, 14.5990
YIQ	99.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

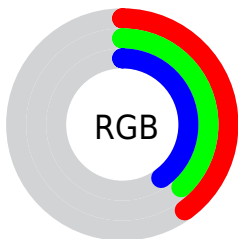
Format	Color
R_{YB}	101, 98, 103
Decimal	6644327
CIE Lab	41.97, 2.22, -2.41
CIE LCh	42, 3.283, 312.646
Yxy	12.4813, 0.3103, 0.3179
Android (android.graphics.Color)	4284834407 (0xFF656267)
YUV	99.4670, 1.7418, 1.3444
Hunter-Lab	35.3289, -0.2722, 0.2297

Details

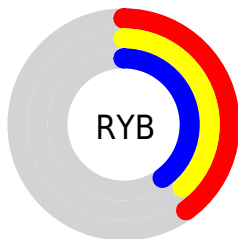
The XYZ color **12.1827, 12.4813, 14.5990** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3108, 13.2920, 13.4726**, and the grayscale version is **11.9736, 12.5972, 13.7183**.

A 20% lighter version of the original color is **29.5291, 30.5034, 34.9032**, and **3.4631, 3.5258, 4.2394** is the 20% darker color. If you saturate the color by 10%, you get **10.8306, 10.4448, 14.2774**, and if you desaturate by 10%, it is **13.6827, 14.7789, 14.9636**.

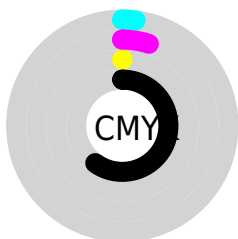
Distribution



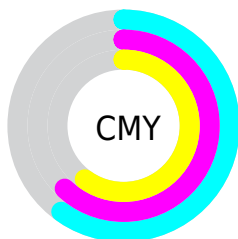
- Red (40%)
- Green (38%)
- Blue (40%)



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



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1827, 12.4813, 14.5990 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 12.1827, 12.4813, 14.5990 by changing the saturation by 10% instead.

■ 12.1827, 12.4813,
14.5990

■ 12.1827, 12.4813,
14.5990

199.3564,
207.5661, 232.4826

■ 6.9413, 7.0724,
8.3950

■ 29.4414, 30.3687,
34.8804

■ 3.4714, 3.5074,
4.2573

■ 42.1894, 43.6160,
49.7949

■ 1.4077, 1.4020,
1.7675

■ 58.1704, 60.2448,
68.4500

■ 0.2617, 0.2182,
0.4064

■ 77.7496, 80.6396,
91.2641

■ 0.0000, 0.0000,
0.0000

101.2925,
105.1847, 118.6560

129.1643,

134.2646, 151.0439

161.7305,
168.2636, 188.8466

■ 12.1827, 12.4813,
14.5990

■ 12.1827, 12.4813,
14.5990

■ 10.8306, 10.4448,
14.2774

■ 13.6827, 14.7789,
14.9636

■ 9.6203, 8.6581,
13.9963

■ 15.3343, 17.3451,
15.3719

■ 8.5468, 7.1118,
13.7544

■ 17.1424, 20.1889,
15.8255

■ 7.6044, 5.7949,
13.5499

■ 19.1114, 23.3187,
16.3258

■ 6.7869, 4.6956,
13.3808

■ 21.2454, 26.7423,
16.8742

6.0878, 3.8012,
13.2450

23.5484, 30.4672,
17.4718

5.4997, 3.0975,
13.1402

26.0243, 34.5008,
18.1199

5.0141, 2.5684,
13.0636

28.6769, 38.8502,
18.8196

4.6147, 2.1816,
13.0100

31.5097, 43.5220,
19.5720

Harmonies

Analogous

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



11.9658, 12.4813, 14.9390



12.1827, 12.4813, 14.5990



12.3150, 12.4813, 13.9934

Triad

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



12.1827, 12.4813, 14.5990



12.0031, 12.4813, 12.3515



11.4127, 12.4813, 13.8853

Complementary

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



12.1827, 12.4813, 14.5990



12.3108, 13.2920, 13.4726

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.



11.4224, 12.4813, 13.1945



12.1827, 12.4813, 14.5990



11.7610, 12.4813, 12.3248

Square

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



12.1827, 12.4813, 14.5990



12.2104, 12.4813, 12.7028



11.5491, 12.4813, 12.6286



11.5225, 12.4813, 14.5176

Rectangle

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



12.1827, 12.4813, 14.5990



12.3363, 12.4813, 13.5283



11.5491, 12.4813, 12.6286



11.4021, 12.4813, 13.6519

Sweetspot

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



12.1831, 12.4818, 14.5993



22.8099, 23.8666, 26.3816



12.0508, 12.7067, 14.6497



5.5706, 5.8313, 6.4378



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1831, 12.4818, 14.5993



21.4794, 21.8408, 26.0607



12.3888, 12.5903, 14.5000



2.9257, 2.9739, 3.5518



5.5234, 2.4916, 16.3341



27.8013, 12.4763, 85.1443

Inverse Universe

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



12.2618, 12.5395, 13.8312



21.6589, 21.9721, 24.3190



12.1120, 13.1872, 13.5662



2.9504, 2.9919, 3.3121



7.5287, 3.8244, 2.9164



38.8574, 19.7829, 13.0582

Previews

White Background



This preview shows how the XYZ color 12.1827, 12.4813, 14.5990 looks on a white background.

Color Contrast Check

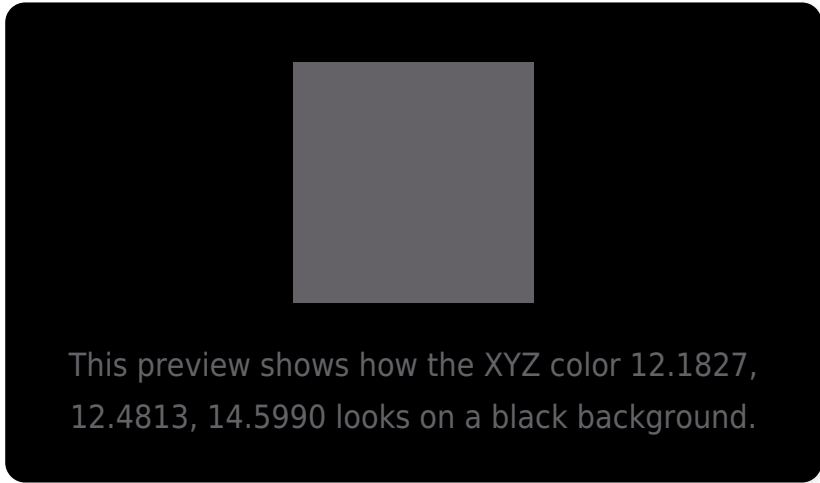
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

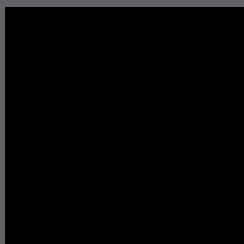
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1827, 12.4813, 14.5990

Background



This preview shows how black text looks on a background with the XYZ color 12.1827, 12.4813, 14.5990.



This preview shows how white text looks on a background with the XYZ color 12.1827, 12.4813,

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

12.1827, 12.4813, 14.5990

Protanopia

12.0714, 12.4240, 14.5938

Deuteranopia

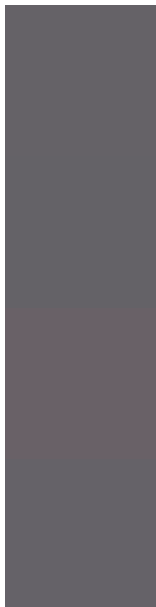
12.6945, 12.4708, 14.5700



Tritanopia

12.2843, 12.5220, 15.1341

Trichromacy



Original Color

12.1827, 12.4813, 14.5990

Protanomaly

12.0714, 12.4240, 14.5938

Deuteranomaly

12.5486, 12.5319, 14.5895

Tritanomaly

12.2332, 12.5015, 14.8650

Monochromacy



Original Color

12.1827, 12.4813, 14.5990

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0176, 12.5531, 13.8462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1827, 12.4813, 14.5990 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, 103) looks like.

```
.text, #text, p{  
    color:rgb(101, 98, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 98, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.1827, 12.4813, 14.5990 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, 103) }
```


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

```
.border{ border-color:rgb(101, 98, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 98, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 98, 103);  
box-shadow:4px 4px 4px 4px rgb(101, 98,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1827, 12.4813, 14.5990 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, 103) }
```

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

```
.background{ background-color: rgb(101, 98,  
103) }
```

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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