

Converting Colors

XYZ(6.8256, 6.1160, 14.0737)

Have a look what the booklet for
XYZ(6.8256, 6.1160, 14.0737)
contains.

XYZ(6.8819, 6.1453, 14.1880)	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(6.8819, 6.1453,
14.1880)**

Conversions

Conversions Part 1

Format	Color
Hex	444269
RGB	68, 66, 105
RGB Percent	27%, 26%, 41%
CMY	0.7333, 0.7412, 0.5882
CMYK	0.35, 0.37, 0.00, 0.59
HSL	243°, 23%, 34%
HSV	243°, 37%, 41%
XYZ	6.8819, 6.1453, 14.1880
YIQ	71.0440, -11.3270, 12.5530

Conversions

Conversions Part 2

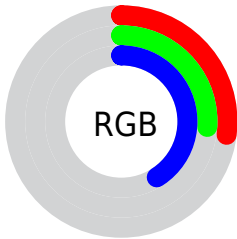
Format	Color
RYB	68, 66, 105
Decimal	4473449
CIELab	29.78, 11.09, -22.47
CIElCh	30, 25.057, 296.262
Yxy	6.1453, 0.2529, 0.2258
Android (android.graphics.Color)	4282663529 (0xFF444269)
YUV	71.0440, 16.7403, -2.6696
Hunter-Lab	24.7897, 6.1716, -16.5809

Details

The XYZ color **6.8819, 6.1453, 14.1880** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **11.6286, 13.3801, 7.1242**, and the grayscale version is **5.9708, 6.2817, 6.8408**.

A 20% lighter version of the original color is **19.4893, 18.2865, 33.9549**, and **1.3794, 1.0777, 4.1383** is the 20% darker color. If you saturate the color by 10%, you get **5.6872, 4.7009, 13.9723**, and if you desaturate by 10%, it is **8.3078, 7.8763, 14.4471**.

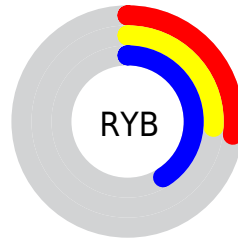
Distribution



Red (27%)

Green (26%)

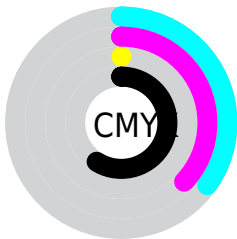
Blue (41%)



Red (27%)

Yellow (26%)

Blue (41%)

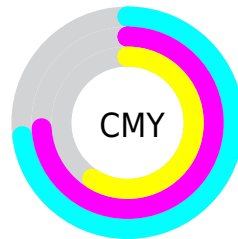


Cyan (35%)

Magenta (37%)

Yellow (0%)

Black (59%)



Cyan (73%)

Magenta (74%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8819, 6.1453, 14.1880 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 6.8819, 6.1453, 14.1880 by changing the saturation by 10% instead.

6.8819, 6.1453,
14.1880

6.8819, 6.1453,
14.1880

161.2449,
160.3601, 229.8662

3.4340, 2.9336,
8.1113

19.4423, 18.2319,
34.1442

1.3872, 1.0972,
4.0775

29.2855, 27.8755,
48.8607

0.2471, 0.0000,
1.6679

41.9913, 40.4320,
67.2942

0.0000, 0.0000,
0.3386

57.9249, 56.2857,
89.8633

0.0000, 0.0000,
0.0000

77.4517, 75.8209,
116.9866

100.9371, 99.4221,

149.0824

128.7463,
127.4737, 186.5695

■ 6.8819, 6.1453,
14.1880

■ 6.8819, 6.1453,
14.1880

■ 5.6872, 4.7009,
13.9723

■ 8.3078, 7.8763,
14.4471

■ 4.7109, 3.5271,
13.7972

■ 9.9755, 9.9076,
14.7513

■ 3.9399, 2.6072,
13.6602

■ 11.8957, 12.2527,
15.1027

■ 3.3596, 1.9223,
13.5586

■ 14.0784, 14.9240,
15.5033

■ 2.9533, 1.4512,
13.4891

■ 16.5328, 17.9335,
15.9548

■ 2.6854, 1.1382,
13.4428

■ 19.2680, 21.2923,
16.4590

■ 2.6172, 1.0547,
13.4303

■ 22.2923, 25.0113,
17.0174

■ 25.6139, 29.1006,
17.6316

■ 29.2407, 33.5701,
18.3032

Harmonies

Analogous

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



5.6970, 6.1453, 15.2781



6.8819, 6.1453, 14.1880



7.8937, 6.1453, 10.8916

Triad

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



6.8819, 6.1453, 14.1880



7.1661, 6.1453, 2.6676



3.8899, 6.1453, 6.2842

Complementary

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



6.8819, 6.1453, 14.1880



11.6286, 13.3801, 7.1242

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.



4.1790, 6.1453, 3.7391



6.8819, 6.1453, 14.1880



5.9872, 6.1453, 2.1337

Square

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



6.8819, 6.1453, 14.1880



8.0724, 6.1453, 4.2489



4.9106, 6.1453, 2.4488



4.0640, 6.1453, 9.9257

Rectangle

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



6.8819, 6.1453, 14.1880



8.2801, 6.1453, 8.3217



4.9106, 6.1453, 2.4488



3.9350, 6.1453, 5.2889

Sweetspot

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



6.8821, 6.1455, 14.1881



19.8090, 20.1169, 26.7699



9.6519, 11.8887, 15.1507



4.5653, 4.6209, 6.2571



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.



6.8821, 6.1455, 14.1881



10.3492, 8.6173, 25.0489



8.4708, 6.9645, 14.2625



2.9615, 3.0319, 3.8640



3.3039, 1.3302, 17.0049



16.6104, 6.6626, 86.6367

Inverse Universe

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



10.2222, 7.8792, 13.8141



17.3375, 12.2460, 24.1957



9.6511, 12.3607, 7.0317



3.2112, 3.1613, 3.8424



10.2614, 4.9567, 15.5371



52.1869, 25.2167, 78.6442

Previews

White Background



This preview shows how the XYZ color 6.8819, 6.1453, 14.1880 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 ✓ Pass

Black Background



This preview shows how the XYZ color 6.8819, 6.1453, 14.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

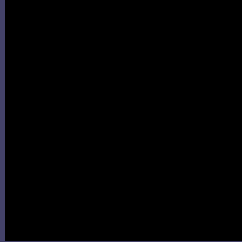
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8819, 6.1453, 14.1880

Background



This preview shows how black text looks on a background with the XYZ color 6.8819, 6.1453, 14.1880.



This preview shows how white text looks on a background with the XYZ color 6.8819, 6.1453,

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

6.8819, 6.1453, 14.1880

Protanopia

6.4129, 6.1585, 14.7606

Deuteranopia

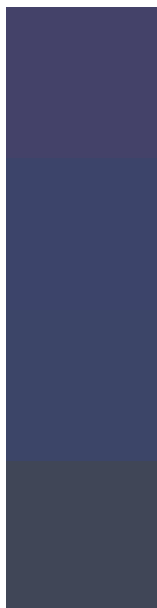
6.2644, 6.1920, 13.9617



Tritanopia

5.6435, 6.1947, 7.9194

Trichromacy



Original Color

6.8819, 6.1453, 14.1880

Protanomaly

6.5321, 6.1355, 14.4757

Deuteranomaly

6.4903, 6.2164, 13.9545

Tritanomaly

6.0248, 6.1584, 9.8880

Monochromacy



Original Color

6.8819, 6.1453, 14.1880

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

6.2152, 6.1829, 9.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8819, 6.1453, 14.1880 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(68, 66, 105) looks like.

```
.text, #text, p{  
    color:rgb(68, 66, 105)  
}
```

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(68, 66, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 66, 105) }
```

Border

The CSS property to change the border of an element to XYZ 6.8819, 6.1453, 14.1880 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(68, 66, 105) }
```


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

```
.border{ border-color:rgb(68, 66, 105) }
```

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

Here you see how a box with a 4 pixel rgb(68, 66, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 66, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 66, 105);  
box-shadow:4px 4px 4px 4px rgb(68, 66,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8819, 6.1453, 14.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 66, 105) }
```

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

```
.background{ background-color: rgb(68, 66,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor