

Converting Colors

XYZ(12.9687, 11.8249, 29.8197)

Have a look what the booklet for
XYZ(12.9687, 11.8249, 29.8197)
contains.

XYZ(13.0060, 11.8981, 29.6281)	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(13.0060, 11.8981,
29.6281)**

Conversions

Conversions Part 1

Format	Color
Hex	555D94
RGB	85, 93, 148
RGB Percent	33%, 36%, 58%
CMY	0.6667, 0.6353, 0.4196
CMYK	0.43, 0.37, 0.00, 0.42
HSL	232°, 27%, 46%
HSV	232°, 43%, 58%
XYZ	13.0060, 11.8981, 29.6281
YIQ	96.8780, -22.4230, 15.4090

Conversions

Conversions Part 2

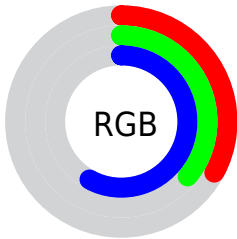
Format	Color
R _Y B	85, 92, 148
Decimal	5594516
CIE Lab	41.05, 11.73, -31.23
CIE LCh	41, 33.365, 290.590
Yxy	11.8981, 0.2385, 0.2182
Android (android.graphics.Color)	4283784596 (0xFF555D94)
YUV	96.8780, 25.2031, -10.4170
Hunter-Lab	34.4936, 6.9405, -26.7813

Details

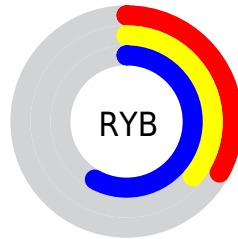
The XYZ color **13.0060, 11.8981, 29.6281** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.2312, 25.7088, 12.3329**, and the grayscale version is **11.2768, 11.8641, 12.9200**.

A 20% lighter version of the original color is **30.7997, 29.2276, 59.8953**, and **3.8339, 3.2362, 11.7318** is the 20% darker color. If you saturate the color by 10%, you get **10.7604, 9.1969, 29.2253**, and if you desaturate by 10%, it is **15.7252, 15.1284, 30.1085**.

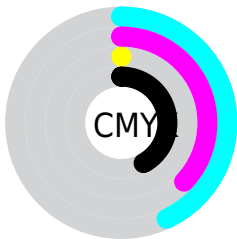
Distribution



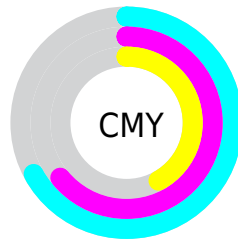
- Red (33%)
- Green (36%)
- Blue (58%)



- Red (33%)
- Yellow (36%)
- Blue (58%)



- Cyan (43%)
- Magenta (37%)
- Yellow (0%)
- Black (42%)



- Cyan (67%)
- Magenta (64%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0060, 11.8981, 29.6281 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 13.0060, 11.8981, 29.6281 by changing the saturation by 10% instead.

■ 13.0060, 11.8981,
29.6281

■ 13.0060, 11.8981,
29.6281

204.5929,
203.7295, 314.3202

■ 7.5097, 6.6743,
19.3068

■ 30.9158, 29.3094,
60.1276

■ 3.8320, 3.2593,
11.7131

■ 44.0600, 42.2657,
81.1429

■ 1.6075, 1.2685,
6.4285

■ 60.4842, 58.5683,
106.5599

■ 0.3973, 0.1167,
3.0344

■ 80.5538, 78.6016,
136.7972

■ 0.0000, 0.0000,
1.1122

■ 104.6341,
102.7499, 172.2734

■ 0.0000, 0.0000,
0.0000

133.0905,

131.3978, 213.4069

166.2883,
164.9295, 260.6164

■ 13.0060, 11.8981,
29.6281

■ 13.0060, 11.8981,
29.6281

■ 10.7604, 9.1969,
29.2253

■ 15.7252, 15.1284,
30.1085

■ 8.9597, 6.9951,
28.8952

■ 18.9418, 18.9126,
30.6694

■ 7.5743, 5.2620,
28.6337

■ 22.6794, 23.2757,
31.3146

■ 6.5703, 3.9631,
28.4359

■ 26.9600, 28.2407,
32.0473

■ 5.9081, 3.0587,
28.2963

■ 31.8041, 33.8292,
32.8707

■ 5.5747, 2.5968,
28.2247

■ 37.2311, 40.0621,
33.7877

■ 43.2597, 46.9588,
34.8012

■ 49.9076, 54.5384,
35.9138

■ 57.1918, 62.8190,
37.1282

Harmonies

Analogous

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



10.5728, 11.8981, 30.7970



13.0060, 11.8981, 29.6281



15.2509, 11.8981, 23.2554

Triad

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



13.0060, 11.8981, 29.6281



14.4899, 11.8981, 5.2060



7.3485, 11.8981, 10.9171

Complementary

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



13.0060, 11.8981, 29.6281



23.2312, 25.7088, 12.3329

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.



8.1122, 11.8981, 6.2588



13.0060, 11.8981, 29.6281



12.0781, 11.8981, 3.8164

Square

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



13.0060, 11.8981, 29.6281



16.1880, 11.8981, 8.8500



9.7660, 11.8981, 4.1183



7.5240, 11.8981, 18.1660

Rectangle

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



13.0060, 11.8981, 29.6281



16.2293, 11.8981, 17.8481



9.7660, 11.8981, 4.1183



7.4993, 11.8981, 9.0495

Sweetspot

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



13.0064, 11.8985, 29.6284



39.5281, 40.5003, 55.1686



19.0409, 24.9932, 28.4776



8.7016, 8.8705, 12.5384



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.0064, 11.8985, 29.6284



19.1821, 16.4649, 51.6016



14.7909, 11.8302, 29.5212



5.5553, 5.7446, 7.2858



4.7738, 2.2423, 24.1122



0.0699, 0.0505, 0.2990

Inverse Universe

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



17.4375, 13.5838, 12.0591



28.1325, 20.1058, 16.0598



20.6729, 26.1885, 12.5603



5.8290, 5.8267, 6.2056



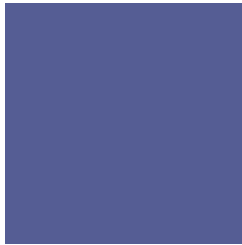
10.5367, 5.4197, 1.0411



0.1348, 0.0687, 0.0433

Previews

White Background



This preview shows how the XYZ color 13.0060, 11.8981, 29.6281 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 13.0060, 11.8981, 29.6281 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 13.0060, 11.8981, 29.6281

Background



This preview shows how black text looks on a background with the XYZ color 13.0060, 11.8981, 29.6281.



This preview shows how white text looks on a background with the XYZ color 13.0060, 11.8981,

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

13.0060, 11.8981, 29.6281

Protanopia

12.6578, 11.9642, 30.4963

Deuteranopia

12.1218, 11.8500, 29.2522



Tritanopia

10.3156, 11.9073, 16.2227

Trichromacy



Original Color

13.0060, 11.8981, 29.6281

Protanomaly

12.7358, 11.8808, 30.0557

Deuteranomaly

12.4192, 11.8688, 29.2401

Tritanomaly

11.1673, 11.8277, 20.4333

Monochromacy



Original Color

13.0060, 11.8981, 29.6281

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8495, 11.9539, 18.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0060, 11.8981, 29.6281 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(85, 93, 148) looks like.

```
.text, #text, p{  
    color:rgb(85, 93, 148)  
}
```

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(85, 93, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 93, 148) }
```

Border

The CSS property to change the border of an element to XYZ 13.0060, 11.8981, 29.6281 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(85, 93, 148) }
```


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

```
.border{ border-color:rgb(85, 93, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 93, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 93, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 93, 148);  
box-shadow:4px 4px 4px 4px rgb(85, 93,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0060, 11.8981, 29.6281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 93, 148) }
```

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

```
.background{ background-color: rgb(85, 93,  
148) }
```

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