

Converting Colors

XYZ(13.8333, 6.2142, 60.1449)

Have a look what the booklet for
XYZ(13.8333, 6.2142, 60.1449)
contains.

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Color

**XYZ(13.8333, 6.2142,
60.1449)**

Conversions

Conversions Part 1

Format	Color
Hex	4115D0
RGB	65, 21, 208
RGB Percent	25%, 8%, 82%
CMY	0.7451, 0.9177, 0.1843
CMYK	0.69, 0.90, 0.00, 0.18
HSL	254°, 82%, 45%
HSV	254°, 90%, 82%
XYZ	13.8333, 6.2142, 60.1449
YIQ	55.4740, -33.8030, 67.4850

Conversions

Conversions Part 2

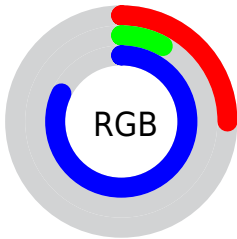
Format	Color
R_{YB}	65, 21, 208
Decimal	4265424
CIE _{Lab}	29.95, 64.96, -84.88
CIE _{LCh}	30, 106.887, 307.427
Yxy	6.2142, 0.1725, 0.0775
Android (android.graphics.Color)	4282455504 (0xFF4115D0)
YUV	55.4740, 75.1953, 8.3543
Hunter-Lab	24.9283, 55.4293, -125.6001

Details

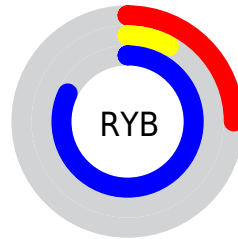
The XYZ color **13.8333, 6.2142, 60.1449** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **37.9978, 53.0569, 8.9474**, and the grayscale version is **3.6021, 3.7897, 4.1270**.

A 20% lighter version of the original color is **30.3767, 17.5143, 96.3873**, and **5.6675, 2.2670, 29.8446** is the 20% darker color. If you saturate the color by 10%, you get **12.6590, 5.2138, 60.0139**, and if you desaturate by 10%, it is **15.5917, 7.9408, 60.3857**.

Distribution



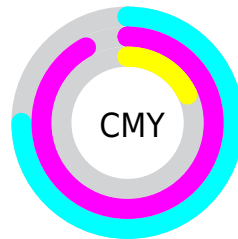
- Red (25%)
- Green (8%)
- Blue (82%)



- Red (25%)
- Yellow (8%)
- Blue (82%)



- Cyan (69%)
- Magenta (90%)
- Yellow (0%)
- Black (18%)



- Cyan (75%)
- Magenta (92%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8333, 6.2142, 60.1449 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 13.8333, 6.2142, 60.1449 by changing the saturation by 10% instead.

■ 13.8333, 6.2142,
60.1449

■ 13.8333, 6.2142,
60.1449

209.7227,
160.9647, 442.9511

■ 8.0857, 2.9758,
43.1094

■ 32.3817, 18.3740,
106.5853

■ 4.2021, 1.1191,
29.6389

■ 45.9132, 28.0641,
136.8272

■ 1.8171, 0.0000,
19.3149

■ 62.7701, 40.6735,
172.3083

■ 0.5279, 0.0000,
11.7190

■ 83.3178, 56.5867,
213.4472

■ 0.0000, 0.0000,
6.4324

■ 107.9215, 76.1880,
260.6624


■ 0.0000, 0.0000,
3.0367


■ 136.9467, 99.8619,


■ 0.0000, 0.0000,

314.3724


1.1134

 170.7586,
127.9927, 374.9958

 0.0000, 0.0000,
0.0000


 13.8333, 6.2142,
60.1449


 13.8333, 6.2142,
60.1449


 12.6590, 5.2138,
60.0139


 15.5917, 7.9408,
60.3857

 12.6498, 5.2060,
60.0129

 18.0506, 10.5955,
60.7685

 21.2829, 14.2932,
61.3119

 25.3515, 19.1315,
62.0313

 30.3124, 25.1967,
62.9406

■ 36.2165, 32.5665,
64.0519

■ 43.1107, 41.3123,
65.3766

■ 51.0389, 51.5000,
66.9252

■ 60.0421, 63.1913,
68.7073

Harmonies

Analogous

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



7.2308, 6.2142, 86.4676



13.8333, 6.2142, 60.1449



19.8689, 6.2142, 23.6649

Triad

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



13.8333, 6.2142, 60.1449



10.3904, 6.2142, 0.0000



0.5637, 6.2142, 10.9598

Complementary

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



13.8333, 6.2142, 60.1449



37.9978, 53.0569, 8.9474

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.



0.7417, 6.2142, 0.7412



13.8333, 6.2142, 60.1449



4.7545, 6.2142, 0.0000

Square

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



13.8333, 6.2142, 60.1449



17.2209, 6.2142, 0.0000



1.7923, 6.2142, 0.0000



1.1019, 6.2142, 40.7919

Rectangle

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



13.8333, 6.2142, 60.1449



21.5367, 6.2142, 8.0718



1.7923, 6.2142, 0.0000



0.5444, 6.2142, 5.6096

Sweetspot

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



13.8338, 6.2143, 60.1451



60.0939, 55.0072, 102.0579



25.0352, 31.3953, 64.4152



12.1032, 10.8166, 21.6998



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



13.8338, 6.2143, 60.1451



19.9147, 8.1813, 95.1373



25.7797, 12.3726, 60.7042



11.4204, 11.5501, 14.8711



7.9560, 3.2817, 37.4066



0.5170, 0.2207, 2.0949

Inverse Universe

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



32.9800, 16.6258, 36.5854



51.0881, 25.1992, 53.7895



25.2796, 46.5004, 8.3522



12.1868, 11.9595, 14.2597



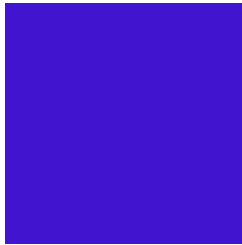
20.1541, 9.9345, 21.5153



1.1564, 0.5673, 1.3585

Previews

White Background



This preview shows how the XYZ color 13.8333, 6.2142, 60.1449 looks on a white background.

Color Contrast Check

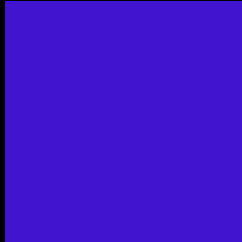
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8333, 6.2142, 60.1449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

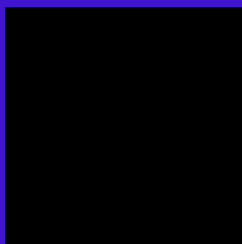
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8333, 6.2142, 60.1449

Background



This preview shows how black text looks on a background with the XYZ color 13.8333, 6.2142, 60.1449.



This preview shows how white text looks on a background with the XYZ color 13.8333, 6.2142, 60.1449.

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

13.8333, 6.2142, 60.1449

Protanopia

7.1622, 6.2699, 27.2183

Deuteranopia

5.8954, 6.1702, 19.2926



Tritanopia

4.3962, 6.2321, 9.3587

Trichromacy



Original Color

13.8333, 6.2142, 60.1449

Protanomaly

8.5797, 5.4402, 37.1571

Deuteranomaly

7.4456, 5.1324, 30.7352

Tritanomaly

5.8522, 4.8053, 21.3879

Monochromacy



Original Color

13.8333, 6.2142, 60.1449

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.5368, 3.8053, 15.4816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8333, 6.2142, 60.1449 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(65, 21, 208)` looks like.

```
.text, #text, p{  
    color:rgb(65, 21, 208)  
}
```

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(65, 21, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 21, 208) }
```

Border

The CSS property to change the border of an element to XYZ 13.8333, 6.2142, 60.1449 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(65, 21, 208) }
```


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

```
.border{ border-color:rgb(65, 21, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 21, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 21, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 21, 208);  
box-shadow:4px 4px 4px 4px rgb(65, 21,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8333, 6.2142, 60.1449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 21, 208) }
```

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

```
.background{ background-color: rgb(65, 21,  
208) }
```

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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