

Converting Colors

XYZ(13.4020, 25.3608, 5.7815)

Have a look what the booklet for
XYZ(13.4020, 25.3608, 5.7815)
contains.

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Color

**XYZ(13.3612, 25.2577,
5.7611)**

Conversions

Conversions Part 1

Format	Color
Hex	229F23
RGB	34, 159, 35
RGB Percent	13%, 62%, 14%
CMY	0.8667, 0.3765, 0.8627
CMYK	0.79, 0.00, 0.78, 0.38
HSL	120°, 65%, 38%
HSV	120°, 79%, 62%
XYZ	13.3612, 25.2577, 5.7611
YIQ	107.4890, -34.6960, -65.0640

Conversions

Conversions Part 2

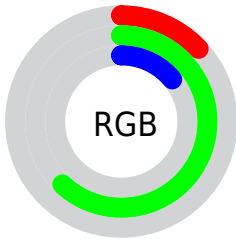
Format	Color
RYB	34, 158, 159
Decimal	2268963
CIELab	57.33, -56.08, 51.34
CIElCh	57, 76.031, 137.526
Yxy	25.2577, 0.3011, 0.5691
Android (android.graphics.Color)	4280459043 (0xFF229F23)
YUV	107.4890, -35.7371, -64.4499
Hunter-Lab	50.2570, -40.4943, 28.3834

Details

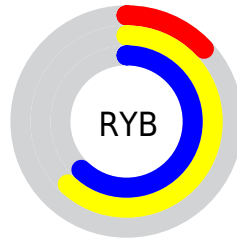
The XYZ color **13.3612, 25.2577, 5.7611** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.0422, 10.9839, 33.3583**, and the grayscale version is **14.2151, 14.9554, 16.2865**.

A 20% lighter version of the original color is **31.5831, 52.1469, 17.8520**, and **5.1540, 10.3081, 1.7180** is the 20% darker color. If you saturate the color by 10%, you get **12.7695, 24.9747, 4.7741**, and if you desaturate by 10%, it is **14.3018, 25.7099, 7.3150**.

Distribution



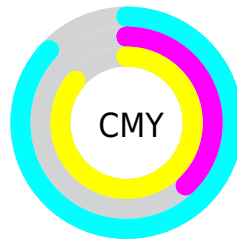
- Red (13%)
- Green (62%)
- Blue (14%)



- Red (13%)
- Yellow (62%)
- Blue (62%)



- Cyan (79%)
- Magenta (0%)
- Yellow (78%)
- Black (38%)





- Cyan (87%)
- Magenta (38%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3612, 25.2577, 5.7611 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 13.3612, 25.2577, 5.7611 by changing the saturation by 10% instead.


 13.3612, 25.2577,
5.7611


 13.3612, 25.2577,
5.7611


206.8109,
279.1189, 166.1510


 7.7564, 16.2692,
2.6339


 31.5470, 52.0750,
17.9020


 3.9900, 9.7148,
0.9099


 44.8588, 70.6725,
27.7528


 1.6965, 5.2103,
0.0000

 61.4703, 93.2418,
40.6820

 0.4541, 2.3712,
0.0000

 81.7468, 120.1673,
57.1079

 0.0000, 0.8110,
0.0000

 106.0538,
151.8333, 77.4493

 0.0000, 0.0000,
0.0000

 134.7566,

188.6244, 102.1246

168.2205,
230.9247, 131.5523

■ 13.3612, 25.2577,
5.7611

■ 13.3612, 25.2577,
5.7611

■ 12.7695, 24.9747,
4.7741

■ 14.3018, 25.7099,
7.3150

■ 12.4451, 24.8191,
4.2340

■ 15.6317, 26.3485,
9.5016

■ 12.4056, 24.8001,
4.1697

■ 17.3877, 27.1919,
12.3793

■ 19.6019, 28.2555,
15.9996

■ 22.3032, 29.5533,
20.4090

■ 25.5183, 31.0980,
25.6503

■ 29.2718, 32.9017,
31.7631

■ 33.5869, 34.9752,
38.7846

■ 38.4853, 37.3292,
46.7498

Harmonies

Analogous

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



19.1582, 25.2577, 2.1339



13.3612, 25.2577, 5.7611



10.7528, 25.2577, 18.1162

Triad

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



13.3612, 25.2577, 5.7611



20.4557, 25.2577, 109.9640



44.6070, 25.2577, 15.1020

Complementary

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



13.3612, 25.2577, 5.7611



21.0422, 10.9839, 33.3583

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.



45.2072, 25.2577, 39.6707



13.3612, 25.2577, 5.7611



29.6111, 25.2577, 107.1365

Square

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



13.3612, 25.2577, 5.7611



14.1053, 25.2577, 82.7331



39.1869, 25.2577, 76.4535



37.7087, 25.2577, 4.7376

Rectangle

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



13.3612, 25.2577, 5.7611



10.6014, 25.2577, 34.5257



39.1869, 25.2577, 76.4535



45.6043, 25.2577, 21.5008

Sweetspot

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



13.3618, 25.2588, 5.7617



42.2223, 54.0210, 40.2687



26.9860, 32.2840, 6.3225



9.0997, 11.9776, 8.3949



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.3618, 25.2588, 5.7617



22.4401, 44.5205, 7.8244



15.1929, 25.9912, 15.4039



6.5528, 7.4019, 7.0797



9.7987, 19.5874, 3.2972



0.1758, 0.3505, 0.0619

Inverse Universe

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



21.0422, 10.9839, 33.3583



36.7611, 17.8806, 59.2653



17.0052, 9.3691, 12.1000



6.9019, 6.7537, 8.3344



16.1496, 7.7644, 26.1023



0.2894, 0.1391, 0.4702

Previews

White Background



This preview shows how the XYZ color 13.3612, 25.2577, 5.7611 looks on a white background.

Color Contrast Check

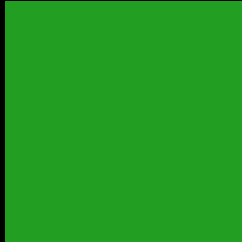
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 13.3612, 25.2577, 5.7611 looks on a black 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

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

XYZ 13.3612, 25.2577, 5.7611

Background



This preview shows how black text looks on a background with the XYZ color 13.3612, 25.2577, 5.7611.



This preview shows how white text looks on a background with the XYZ color 13.3612, 25.2577,

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

13.3612, 25.2577, 5.7611

Protanopia

22.4939, 24.8501, 4.7734

Deuteranopia

25.3107, 24.8366, 6.2562



Tritanopia

19.6076, 25.0956, 37.0682

Trichromacy



Original Color

13.3612, 25.2577, 5.7611



Protanomaly

16.8031, 23.6647, 4.9785



Deuteranomaly

17.8461, 23.2891, 5.8402



Tritanomaly

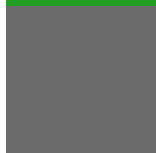
16.0677, 24.5938, 20.1199

Monochromacy



Original Color

13.3612, 25.2577, 5.7611



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.2543, 17.2213, 10.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3612, 25.2577, 5.7611 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(34, 159, 35)` looks like.

```
.text, #text, p{  
    color:rgb(34, 159, 35)  
}
```

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(34, 159, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 159, 35) }
```

Border

The CSS property to change the border of an element to XYZ 13.3612, 25.2577, 5.7611 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(34, 159, 35) }
```


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

```
.border{ border-color:rgb(34, 159, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 159, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 159, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 159, 35);  
box-shadow:4px 4px 4px 4px rgb(34, 159,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3612, 25.2577, 5.7611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 159, 35) }
```

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

```
.background{ background-color: rgb(34, 159,  
35) }
```

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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