

Converting Colors

XYZ(13.5431, 20.2161, 5.2645)

Have a look what the booklet for
XYZ(13.5431, 20.2161, 5.2645)
contains.

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Color

**XYZ(13.5623, 20.2251,
5.2868)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8929
RGB	90, 137, 41
RGB Percent	35%, 54%, 16%
CMY	0.6471, 0.4627, 0.8392
CMYK	0.34, 0.00, 0.70, 0.46
HSL	89°, 54%, 35%
HSV	89°, 70%, 54%
XYZ	13.5623, 20.2251, 5.2868
YIQ	112.0030, 2.8040, -39.8200

Conversions

Conversions Part 2

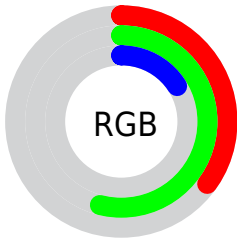
Format	Color
RYB	41, 137, 88
Decimal	5933353
CIELab	52.09, -32.22, 44.43
CIELCh	52, 54.885, 125.944
Yxy	20.2251, 0.3471, 0.5176
Android (android.graphics.Color)	4284123433 (0xFF5A8929)
YUV	112.0030, -35.0045, -19.2966
Hunter-Lab	44.9723, -24.8713, 24.5107

Details


The XYZ color **13.5623, 20.2251, 5.2868** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.3338, 5.4673, 24.2315**, and the grayscale version is **15.5014, 16.3087, 17.7601**.

A 20% lighter version of the original color is **31.8903, 43.8739, 16.9129**, and **4.1711, 7.2097, 1.1718** is the 20% darker color. If you saturate the color by 10%, you get **12.7405, 19.8251, 4.2105**, and if you desaturate by 10%, it is **14.5272, 20.6906, 6.8052**.

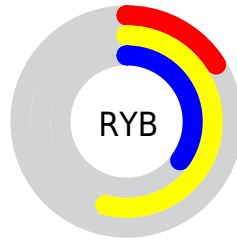
Distribution



 Red (35%)

 Green (54%)

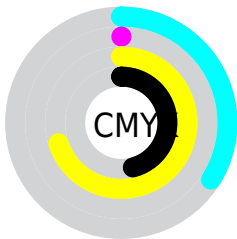
 Blue (16%)




 Red (16%)

 Yellow (54%)

 Blue (35%)

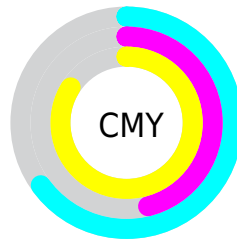



 Cyan (34%)


 Magenta (0%)

 Yellow (70%)

 Black (46%)



 Cyan (65%)

 Magenta (46%)

 Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5623, 20.2251, 5.2868 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 13.5623, 20.2251, 5.2868 by changing the saturation by 10% instead.

■ 13.5623, 20.2251,
5.2868

■ 13.5623, 20.2251,
5.2868

208.0562,
253.1311, 161.6043

■ 7.8965, 12.5588,
2.3548

■ 31.9031, 43.7943,
16.8829

■ 4.0801, 7.1254,
0.7617

■ 45.3089, 60.4659,
26.3842

■ 1.7475, 3.5407,
0.0000

■ 62.0254, 80.9081,
38.9123

■ 0.4857, 1.4201,
0.0000

■ 82.4180, 105.5052,
54.8858

■ 0.0000, 0.2315,
0.0000

■ 106.8520,
134.6417, 74.7232

■ 0.0000, 0.0000,
0.0000

■ 135.6928,

168.7019, 98.8430

169.3058,
208.0702, 127.6639

■ 13.5623, 20.2251,
5.2868

■ 13.5623, 20.2251,
5.2868

■ 12.7405, 19.8251,
4.2105

■ 14.5272, 20.6906,
6.8052

■ 12.0498, 19.4834,
3.5270

■ 15.6431, 21.2227,
8.8055

■ 11.4664, 19.1915,
3.1000

■ 16.9188, 21.8259,
11.3245

■ 18.3619, 22.5034,
14.3949

■ 19.9794, 23.2581,
18.0470

■ 21.7780, 24.0928,
22.3087

■ 23.7638, 25.0102,
27.2062

■ 25.9429, 26.0128,
32.7640

■ 28.3207, 27.1029,
39.0056

Harmonies

Analogous

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



18.1280, 20.2251, 3.3722



13.5623, 20.2251, 5.2868



10.9614, 20.2251, 11.6786

Triad

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



13.5623, 20.2251, 5.2868



15.1539, 20.2251, 63.9792



32.0688, 20.2251, 18.9754

Complementary

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



13.5623, 20.2251, 5.2868



9.3338, 5.4673, 24.2315

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.



30.8487, 20.2251, 37.1633



13.5623, 20.2251, 5.2868



20.3620, 20.2251, 69.2407

Square

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



13.5623, 20.2251, 5.2868



11.7475, 20.2251, 45.5825



26.2742, 20.2251, 57.6850



29.3429, 20.2251, 8.4118

Rectangle

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



13.5623, 20.2251, 5.2868



10.3477, 20.2251, 19.9087



26.2742, 20.2251, 57.6850



32.1124, 20.2251, 24.2791

Sweetspot

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



13.5628, 20.2260, 5.2872



35.3554, 41.4524, 31.3428



14.1583, 12.3606, 3.7377



7.7731, 9.2244, 6.6712



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.5628, 20.2260, 5.2872



22.0722, 35.1351, 6.7525



10.3261, 18.5574, 5.1358



5.1993, 5.7255, 5.3835



10.6942, 17.8831, 2.8881



0.0879, 0.1275, 0.0200

Inverse Universe

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



9.3338, 5.4673, 24.2315



13.9914, 6.9151, 42.9805



15.3653, 8.5767, 24.5138



4.9925, 5.0046, 6.3087



6.3810, 2.8036, 22.2505



0.0592, 0.0273, 0.1486

Previews

White Background



This preview shows how the XYZ color 13.5623, 20.2251, 5.2868 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 13.5623, 20.2251, 5.2868 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 13.5623, 20.2251, 5.2868

Background



This preview shows how black text looks on a background with the XYZ color 13.5623, 20.2251, 5.2868.



This preview shows how white text looks on a background with the XYZ color 13.5623, 20.2251,

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

13.5623, 20.2251, 5.2868

Protanopia

18.2050, 20.0442, 4.7431

Deuteranopia

20.3384, 20.0403, 5.5925



Tritanopia

17.9001, 20.1569, 26.9920

Trichromacy



Original Color

13.5623, 20.2251, 5.2868

Protanomaly

16.1016, 19.9119, 4.9142

Deuteranomaly

17.1673, 19.6820, 5.3768

Tritanomaly

15.6015, 19.8085, 15.8331

Monochromacy



Original Color

13.5623, 20.2251, 5.2868

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2260, 17.2897, 11.3916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5623, 20.2251, 5.2868 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(90, 137, 41)` looks like.

```
.text, #text, p{  
    color:rgb(90, 137, 41)  
}
```

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(90, 137, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 137, 41) }
```

Border

The CSS property to change the border of an element to XYZ 13.5623, 20.2251, 5.2868 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(90, 137, 41) }
```


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

```
.border{ border-color:rgb(90, 137, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 137, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 137, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 137, 41);  
box-shadow:4px 4px 4px 4px rgb(90, 137,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5623, 20.2251, 5.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 137, 41) }
```

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

```
.background{ background-color: rgb(90, 137,  
41) }
```

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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