

Converting Colors

XYZ(13.5287, 20.7751, 7.4313)

Have a look what the booklet for
XYZ(13.5287, 20.7751, 7.4313)
contains.

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Color

**XYZ(13.5608, 20.8213,
7.4418)**

Conversions

Conversions Part 1

Format	Color
Hex	518C3B
RGB	81, 140, 59
RGB Percent	32%, 55%, 23%
CMY	0.6824, 0.4510, 0.7686
CMYK	0.42, 0.00, 0.58, 0.45
HSL	104°, 41%, 39%
HSV	104°, 58%, 55%
XYZ	13.5608, 20.8213, 7.4418
YIQ	113.1250, -9.1630, -37.6990

Conversions

Conversions Part 2

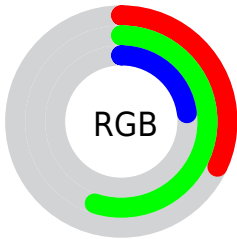
Format	Color
R_{YB}	59, 140, 118
Decimal	5344315
CIE _{Lab}	52.75, -35.08, 36.77
CIE _{LCh}	53, 50.821, 133.656
Yxy	20.8213, 0.3242, 0.4978
Android (android.graphics.Color)	4283534395 (0xFF518C3B)
YUV	113.1250, -26.6836, -28.1736
Hunter-Lab	45.6304, -26.8051, 22.2717

Details

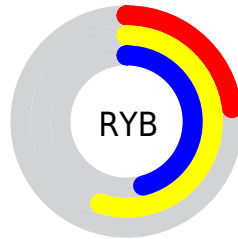
The XYZ color **13.5608, 20.8213, 7.4418** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.7699, 8.8736, 25.7992**, and the grayscale version is **15.8123, 16.6358, 18.1163**.

A 20% lighter version of the original color is **31.8836, 44.7560, 21.4263**, and **4.0682, 7.3953, 1.4427** is the 20% darker color. If you saturate the color by 10%, you get **12.4362, 20.2787, 5.7415**, and if you desaturate by 10%, it is **14.9151, 21.4724, 9.6622**.

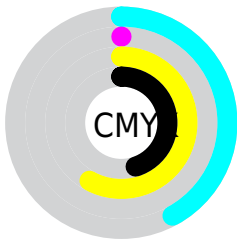
Distribution



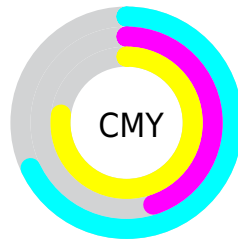
- Red (32%)
- Green (55%)
- Blue (23%)



- Red (23%)
- Yellow (55%)
- Blue (46%)



- Cyan (42%)
- Magenta (0%)
- Yellow (58%)
- Black (45%)



- Cyan (68%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5608, 20.8213, 7.4418 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 13.5608, 20.8213, 7.4418 by changing the saturation by 10% instead.

■ 13.5608, 20.8213,
7.4418

■ 13.5608, 20.8213,
7.4418

208.0469,
256.3273, 181.0537

■ 7.8955, 12.9934,
3.6573

■ 31.9005, 44.7899,
21.3845

■ 4.0794, 7.4240,
1.4393

■ 45.3056, 61.6995,
32.3797

■ 1.7471, 3.7287,
0.1721

■ 62.0213, 82.4051,
46.6156

■ 0.4855, 1.5230,
0.0000

■ 82.4130, 107.2911,
64.5106

■ 0.0000, 0.3048,
0.0000

■ 106.8461,
136.7419, 86.4835

■ 0.0000, 0.0000,
0.0000

■ 135.6859,

171.1420, 112.9525

169.2977,
210.8756, 144.3365

■ 13.5608, 20.8213,
7.4418

■ 13.5608, 20.8213,
7.4418

■ 12.4362, 20.2787,
5.7415

■ 14.9151, 21.4724,
9.6622

■ 11.5260, 19.8356,
4.5176

■ 16.5102, 22.2349,
12.4389

■ 10.8152, 19.4860,
3.7215

■ 18.3582, 23.1149,
15.8067

■ 10.2781, 19.2189,
3.2541

■ 20.4699, 24.1174,
19.7969

■ 10.1786, 19.1696,
3.1636

■ 22.8555, 25.2470,
24.4386

■ 25.5245, 26.5079,
29.7594

■ 28.4862, 27.9044,
35.7848

■ 31.7492, 29.4404,
42.5395

■ 35.3218, 31.1197,
50.0466

Harmonies

Analogous

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



17.4823, 20.8213, 4.5016



13.5608, 20.8213, 7.4418



11.5397, 20.8213, 15.4157

Triad

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



13.5608, 20.8213, 7.4418



17.0610, 20.8213, 63.7405



31.4237, 20.8213, 16.4600

Complementary

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



13.5608, 20.8213, 7.4418



13.7699, 8.8736, 25.7992

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.



31.2558, 20.8213, 31.9058



13.5608, 20.8213, 7.4418



22.2924, 20.8213, 64.4483

Square

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



13.5608, 20.8213, 7.4418



13.3000, 20.8213, 49.3448



27.6833, 20.8213, 50.9870



28.1079, 20.8213, 7.9116

Rectangle

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



13.5608, 20.8213, 7.4418



11.2691, 20.8213, 24.5815



27.6833, 20.8213, 50.9870



31.7887, 20.8213, 20.8618

Sweetspot

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



13.5613, 20.8222, 7.4423



36.2858, 42.6120, 35.2814



17.9727, 18.6264, 6.7859



8.2040, 9.7443, 7.8285



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.5613, 20.8222, 7.4423



21.4724, 35.5311, 9.4840



12.5061, 20.2165, 10.1816



5.0911, 5.6697, 5.3784



9.0608, 17.0410, 2.8117



0.0727, 0.1196, 0.0193

Inverse Universe

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



13.7699, 8.8736, 25.7992



21.8208, 12.3933, 44.9850



15.9208, 10.1202, 19.6741



5.1036, 5.0618, 6.3139



9.0922, 4.2013, 22.3774



0.0744, 0.0351, 0.1493

Previews

White Background



This preview shows how the XYZ color 13.5608, 20.8213, 7.4418 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 13.5608, 20.8213, 7.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

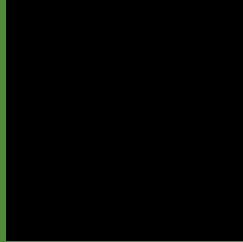
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5608, 20.8213, 7.4418

Background



This preview shows how black text looks on a background with the XYZ color 13.5608, 20.8213, 7.4418.



This preview shows how white text looks on a background with the XYZ color 13.5608, 20.8213,

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

13.5608, 20.8213, 7.4418

Protanopia

18.6707, 20.4320, 6.5742

Deuteranopia

20.8774, 20.4453, 7.8470



Tritanopia

17.7181, 20.6185, 28.6371

Trichromacy



Original Color

13.5608, 20.8213, 7.4418

Protanomaly

16.1677, 20.1023, 6.7694

Deuteranomaly

17.2390, 20.0497, 7.6640

Tritanomaly

15.6662, 20.3937, 18.4399

Monochromacy



Original Color

13.5608, 20.8213, 7.4418

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.4256, 17.7229, 13.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5608, 20.8213, 7.4418 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(81, 140, 59)` looks like.

```
.text, #text, p{  
    color:rgb(81, 140, 59)  
}
```

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(81, 140, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 140, 59) }
```

Border

The CSS property to change the border of an element to XYZ 13.5608, 20.8213, 7.4418 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(81, 140, 59) }
```


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

```
.border{ border-color:rgb(81, 140, 59) }
```

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

Here you see how a box with a 4 pixel rgb(81, 140, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 140, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 140, 59);  
box-shadow:4px 4px 4px 4px rgb(81, 140,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5608, 20.8213, 7.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 140, 59) }
```

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

```
.background{ background-color: rgb(81, 140,  
59) }
```

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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