

Converting Colors

XYZ(13.7066, 19.8569, 3.3469)

Have a look what the booklet for
XYZ(13.7066, 19.8569, 3.3469)
contains.

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Color

**XYZ(13.7448, 19.9421,
3.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	628708
RGB	98, 135, 8
RGB Percent	38%, 53%, 3%
CMY	0.6157, 0.4706, 0.9686
CMYK	0.27, 0.00, 0.94, 0.47
HSL	77°, 89%, 28%
HSV	77°, 94%, 53%
XYZ	13.7448, 19.9421, 3.3545
YIQ	109.4590, 18.7150, -47.3410

Conversions

Conversions Part 2

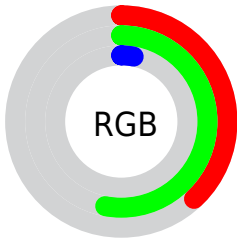
Format	Color
R_{YB}	8, 135, 45
Decimal	6457096
CIE _{Lab}	51.77, -29.68, 54.15
CIE _{LCh}	52, 61.748, 118.724
Yxy	19.9421, 0.3711, 0.5384
Android (android.graphics.Color)	4284647176 (0xFF628708)
YUV	109.4590, -50.0193, -10.0495
Hunter-Lab	44.6566, -23.2087, 26.8059

Details

The XYZ color **13.7448, 19.9421, 3.3545** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.5430, 2.4814, 23.1096**, and the grayscale version is **14.8015, 15.5724, 16.9583**.

A 20% lighter version of the original color is **32.0376, 43.0840, 12.4218**, and **4.3752, 7.0778, 1.1356** is the 20% darker color. If you saturate the color by 10%, you get **13.4532, 19.7975, 3.1122**, and if you desaturate by 10%, it is **14.2765, 20.2057, 3.8821**.

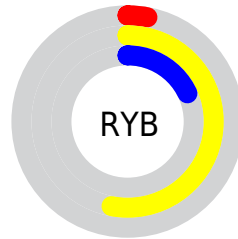
Distribution



Red (38%)

Green (53%)

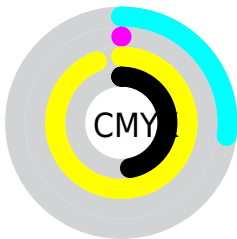
Blue (3%)



Red (3%)

Yellow (53%)

Blue (18%)

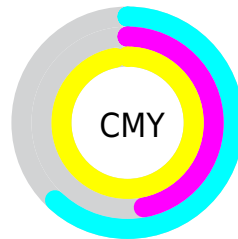


Cyan (27%)

Magenta (0%)

Yellow (94%)

Black (47%)



Cyan (62%)

Magenta (47%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7448, 19.9421, 3.3545 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 13.7448, 19.9421, 3.3545 by changing the saturation by 10% instead.

■ 13.7448, 19.9421,
3.3545

■ 13.7448, 19.9421,
3.3545

209.1799,
251.6015, 140.7550

■ 8.0239, 12.3530,
1.2784

■ 32.2256, 43.3201,
12.4913

■ 4.1622, 6.9845,
0.0440

■ 45.7162, 59.8777,
20.3891

■ 1.7943, 3.4524,
0.0000

■ 62.5274, 80.1937,
31.0645

■ 0.5142, 1.3722,
0.0000

■ 83.0245, 104.6523,
44.9361


■ 0.0000, 0.1961,
0.0000


■ 107.5730,
133.6380, 62.4224


■ 0.0000, 0.0000,
0.0000


■ 136.5382,


167.5352, 83.9420


 170.2854,
206.7282, 109.9133


 13.7448, 19.9421,
3.3545


 13.7448, 19.9421,
3.3545


 13.4532, 19.7975,
3.1122

 14.2765, 20.2057,
3.8821

 14.8960, 20.5062,
4.7639

 15.6141, 20.8486,
6.0531

 16.4391, 21.2363,
7.7915

 17.3782, 21.6722,
10.0159

■ 18.4378, 22.1588,
12.7589

■ 19.6240, 22.6987,
16.0507

■ 20.9422, 23.2940,
19.9190

■ 22.3976, 23.9468,
24.3895

Harmonies

Analogous

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



19.2234, 19.9421, 2.2786



13.7448, 19.9421, 3.3545



10.4256, 19.9421, 8.2967

Triad

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



13.7448, 19.9421, 3.3545



13.3739, 19.9421, 66.4230



33.6895, 19.9421, 22.4894

Complementary

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



13.7448, 19.9421, 3.3545



5.5430, 2.4814, 23.1096

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.



31.1950, 19.9421, 44.9366



13.7448, 19.9421, 3.3545



18.6879, 19.9421, 77.5127

Square

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



13.7448, 19.9421, 3.3545



10.2469, 19.9421, 42.8142



25.3376, 19.9421, 68.0519



31.5697, 19.9421, 9.0159

Rectangle

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



13.7448, 19.9421, 3.3545



9.4414, 19.9421, 15.6540



25.3376, 19.9421, 68.0519



33.3545, 19.9421, 29.1643

Sweetspot

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



13.7453, 19.9430, 3.3549



34.1439, 40.1942, 25.9295



10.9364, 6.9694, 0.9988



7.7230, 9.2245, 5.4982



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.



13.7453, 19.9430, 3.3549



23.9267, 35.3672, 5.5655



9.4193, 17.7129, 3.1525



4.9111, 5.3567, 5.0045



12.4186, 18.2619, 2.8704



0.0503, 0.0670, 0.0103

Inverse Universe

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



5.5430, 2.4814, 23.1096



9.2103, 3.8434, 41.3048



10.5825, 5.0793, 23.3454



4.5526, 4.6055, 5.8497



4.8280, 2.0231, 21.2727



0.0233, 0.0104, 0.0740

Previews

White Background



This preview shows how the XYZ color 13.7448, 19.9421, 3.3545 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 13.7448, 19.9421, 3.3545 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 13.7448, 19.9421, 3.3545

Background



This preview shows how black text looks on a background with the XYZ color 13.7448, 19.9421, 3.3545.



This preview shows how white text looks on a background with the XYZ color 13.7448, 19.9421,

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

13.7448, 19.9421, 3.3545

Protanopia

17.7304, 19.6549, 2.8593

Deuteranopia

20.0653, 19.7657, 3.7349



Tritanopia

18.1372, 19.7315, 25.7743

Trichromacy



Original Color

13.7448, 19.9421, 3.3545

Protanomaly

15.9180, 19.4704, 3.0053

Deuteranomaly

17.1567, 19.5307, 3.4816

Tritanomaly

15.5973, 19.4860, 12.3903

Monochromacy



Original Color

13.7448, 19.9421, 3.3545

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.4738, 16.4280, 8.5917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7448, 19.9421, 3.3545 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(98, 135, 8)` looks like.

```
.text, #text, p{  
    color:rgb(98, 135, 8)  
}
```

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(98, 135, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 135, 8) }
```

Border

The CSS property to change the border of an element to XYZ 13.7448, 19.9421, 3.3545 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(98, 135, 8) }
```


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

```
.border{ border-color:rgb(98, 135, 8) }
```

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

Here you see how a box with a 4 pixel rgb(98, 135, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 135, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 135, 8);  
box-shadow:4px 4px 4px 4px rgb(98, 135, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7448, 19.9421, 3.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 135, 8) }
```

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

```
.background{ background-color: rgb(98, 135,  
8) }
```

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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