

Converting Colors

XYZ(13.5428, 21.2714, 3.2546)

Have a look what the booklet for
XYZ(13.5428, 21.2714, 3.2546)
contains.

XYZ(13.6035, 21.3722, 3.4083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.6035, 21.3722,
3.4083)**

Conversions

Conversions Part 1

Format	Color
Hex	578E00
RGB	87, 142, 0
RGB Percent	34%, 56%, 0%
CMY	0.6588, 0.4431, 1.0000
CMYK	0.39, 0.00, 1.00, 0.44
HSL	83°, 100%, 28%
HSV	83°, 100%, 56%
XYZ	13.6035, 21.3722, 3.4083
YIQ	109.3670, 12.8020, -55.8220

Conversions

Conversions Part 2

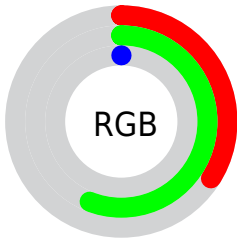
Format	Color
RYB	0, 142, 55
Decimal	5737984
CIELab	53.35, -37.40, 56.55
CIELCh	53, 67.795, 123.481
Yxy	21.3722, 0.3544, 0.5568
Android (android.graphics.Color)	4283928064 (0xFF578E00)
YUV	109.3670, -53.9179, -19.6159
Hunter-Lab	46.2301, -28.3779, 27.9899

Details

The XYZ color **13.6035, 21.3722, 3.4083** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.4592, 2.7660, 25.7858**, and the grayscale version is **14.7873, 15.5574, 16.9420**.

A 20% lighter version of the original color is **31.9386, 45.6480, 12.5964**, and **4.3367, 7.7892, 1.2749** is the 20% darker color. If you saturate the color by 10%, you get **13.6035, 21.3729, 3.4084**, and if you desaturate by 10%, it is **14.2180, 21.6803, 3.8584**.

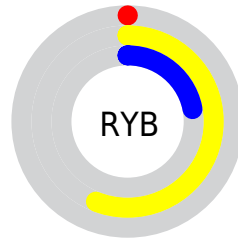
Distribution



Red (34%)

Green (56%)

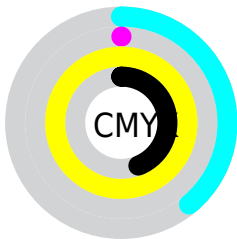
Blue (0%)



Red (0%)

Yellow (56%)

Blue (22%)

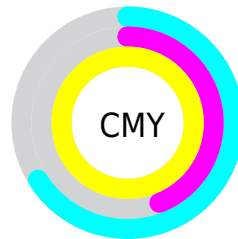


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (66%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6035, 21.3722, 3.4083 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 13.6035, 21.3722, 3.4083 by changing the saturation by 10% instead.

■ 13.6035, 21.3722,
3.4083

■ 13.6035, 21.3722,
3.4083

208.3104,
259.2500, 141.4022

■ 7.9253, 13.3963,
1.3067

■ 31.9760, 45.7062,
12.6203

■ 4.0986, 7.7020,
0.0673

■ 45.4010, 62.8331,
20.5679

■ 1.7580, 3.9049,
0.0000

■ 62.1389, 83.7791,
31.3011

■ 0.4922, 1.6205,
0.0000

■ 82.5552, 108.9286,
45.2386


■ 0.0000, 0.3714,
0.0000


■ 107.0151,
138.6661, 62.7990


■ 0.0000, 0.0000,
0.0000


■ 135.8840,


173.3759, 84.4007


 169.5273,
213.4424, 110.4622


 13.6035, 21.3722,
3.4083


 13.6035, 21.3722,
3.4083


 13.6035, 21.3729,
3.4084

 14.2180, 21.6803,
3.8584

 14.9252, 22.0295,
4.5901

 15.7537, 22.4318,
5.7479

 16.7143, 22.8918,
7.3841

 17.8163, 23.4133,
9.5437

■ 19.0680, 23.9995,
12.2663

■ 20.4768, 24.6538,
15.5878

■ 22.0498, 25.3788,
19.5411

■ 23.7934, 26.1773,
24.1568

Harmonies

Analogous

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



19.4859, 21.3722, 1.9035



13.6035, 21.3722, 3.4083



10.2870, 21.3722, 9.6945

Triad

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



13.6035, 21.3722, 3.4083



14.7467, 21.3722, 79.6920



37.4668, 21.3722, 20.9490

Complementary

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



13.6035, 21.3722, 3.4083



6.4592, 2.7660, 25.7858

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.



35.3591, 21.3722, 45.7940



13.6035, 21.3722, 3.4083



21.1645, 21.3722, 89.3533

Square

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



13.6035, 21.3722, 3.4083



10.8294, 21.3722, 52.6473



28.9315, 21.3722, 74.3552



34.1586, 21.3722, 7.5529

Rectangle

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



13.6035, 21.3722, 3.4083



9.4441, 21.3722, 19.0602



28.9315, 21.3722, 74.3552



37.3708, 21.3722, 28.0596

Sweetspot

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



13.6040, 21.3731, 3.4088



35.9421, 43.3963, 27.0840



12.4957, 8.4307, 0.9690



7.8171, 9.5951, 5.5441



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.



13.6040, 21.3731, 3.4088



23.8008, 37.5913, 6.0014



9.8972, 19.4622, 3.2353



5.6400, 6.1825, 5.7855



12.2343, 19.1996, 3.0611



0.1417, 0.1963, 0.0304

Inverse Universe

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



6.4592, 2.7660, 25.7858



11.2172, 4.7881, 45.4609



13.4043, 6.3463, 26.1108



5.3148, 5.3505, 6.7814



5.8181, 2.4930, 23.1516



0.0790, 0.0359, 0.2224

Previews

White Background



This preview shows how the XYZ color 13.6035, 21.3722, 3.4083 looks on a white background.

Color Contrast Check

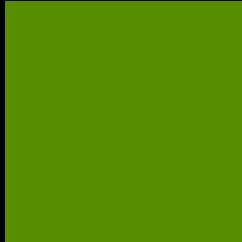
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6035, 21.3722, 3.4083 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 13.6035, 21.3722, 3.4083

Background



This preview shows how black text looks on a background with the XYZ color 13.6035, 21.3722, 3.4083.



This preview shows how white text looks on a background with the XYZ color 13.6035, 21.3722,

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

13.6035, 21.3722, 3.4083

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.4233, 20.9904, 4.0210



Tritanopia

18.8027, 21.3693, 29.1203

Trichromacy



Original Color

13.6035, 21.3722, 3.4083

Protanomaly

16.4196, 20.7135, 3.1327

Deuteranomaly

17.5012, 20.4686, 3.6007

Tritanomaly

15.6223, 20.9050, 13.1092

Monochromacy



Original Color

13.6035, 21.3722, 3.4083

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2784, 16.8711, 8.1868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6035, 21.3722, 3.4083 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(87, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 142, 0)  
}
```

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(87, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6035, 21.3722, 3.4083 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(87, 142, 0) }
```


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

```
.border{ border-color:rgb(87, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 142, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6035, 21.3722, 3.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 142, 0) }
```

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

```
.background{ background-color: rgb(87, 142,  
0) }
```

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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