

Converting Colors

XYZ(13.3223, 21.0016, 3.6215)

Have a look what the booklet for
XYZ(13.3223, 21.0016, 3.6215)
contains.

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Color

**XYZ(13.3205, 21.0008,
3.6099)**

Conversions

Conversions Part 1

Format	Color
Hex	558D09
RGB	85, 141, 9
RGB Percent	33%, 55%, 4%
CMY	0.6667, 0.4470, 0.9647
CMYK	0.40, 0.00, 0.94, 0.45
HSL	85°, 88%, 29%
HSV	85°, 94%, 55%
XYZ	13.3205, 21.0008, 3.6099
YIQ	109.2080, 8.9960, -52.9240

Conversions

Conversions Part 2

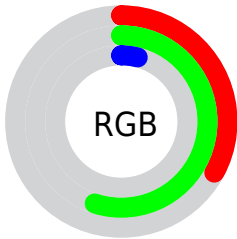
Format	Color
R_{YB}	9, 141, 65
Decimal	5606665
CIE Lab	52.95, -37.48, 54.63
CIE LCh	53, 66.253, 124.456
Yxy	21.0008, 0.3512, 0.5537
Android (android.graphics.Color)	4283796745 (0xFF558D09)
YUV	109.2080, -49.4025, -21.2304
Hunter-Lab	45.8266, -28.3117, 27.4082

Details

The XYZ color **13.3205, 21.0008, 3.6099** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.0866, 3.2430, 25.4530**, and the grayscale version is **14.7300, 15.4971, 16.8763**.

A 20% lighter version of the original color is **31.5000, 45.0735, 13.1707**, and **4.1629, 7.5735, 1.2424** is the 20% darker color. If you saturate the color by 10%, you get **12.9339, 20.8079, 3.3346**, and if you desaturate by 10%, it is **13.9937, 21.3362, 4.1971**.

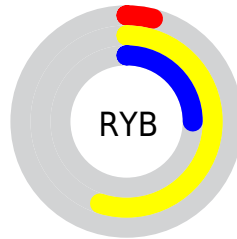
Distribution



Red (33%)

Green (55%)

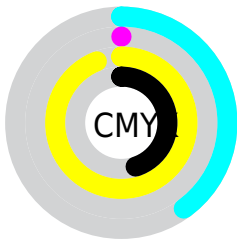
Blue (4%)



Red (4%)

Yellow (55%)

Blue (25%)

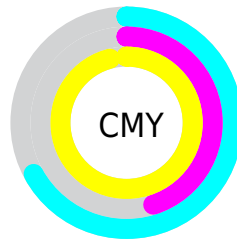


Cyan (40%)

Magenta (0%)

Yellow (94%)

Black (45%)



Cyan (67%)

Magenta (45%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3205, 21.0008, 3.6099 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 13.3205, 21.0008, 3.6099 by changing the saturation by 10% instead.

■ 13.3205, 21.0008,
3.6099

■ 13.3205, 21.0008,
3.6099

206.5580,
257.2827, 143.7854

■ 7.7281, 13.1246,
1.4139

■ 31.4748, 45.0889,
13.0996

■ 3.9718, 7.5144,
0.1525

■ 44.7675, 62.0695,
21.2303

■ 1.6862, 3.7858,
0.0000

■ 61.3576, 82.8537,
32.1764

■ 0.4476, 1.5545,
0.0000

■ 81.6106, 107.8260,
46.3563

■ 0.0000, 0.3266,
0.0000


■ 105.8918,
137.3706, 64.1886


■ 0.0000, 0.0000,
0.0000


■ 134.5665,


171.8720, 86.0919


 168.0001,
211.7146, 112.4846


 13.3205, 21.0008,
3.6099


 13.3205, 21.0008,
3.6099


 12.9339, 20.8079,
3.3346

 13.9937, 21.3362,
4.1971

 14.7886, 21.7250,
5.1815

 15.7172, 22.1729,
6.6194

 16.7895, 22.6839,
8.5571

 18.0140, 23.2616,
11.0355

■ 19.3988, 23.9093,
14.0909

■ 20.9510, 24.6299,
17.7568

■ 22.6774, 25.4264,
22.0638

■ 24.5843, 26.3012,
27.0407

Harmonies

Analogous

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



18.9413, 21.0008, 2.0065



13.3205, 21.0008, 3.6099



10.1764, 21.0008, 10.0254

Triad

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



13.3205, 21.0008, 3.6099



14.7401, 21.0008, 77.6128



36.4465, 21.0008, 20.0225

Complementary

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



13.3205, 21.0008, 3.6099



7.0866, 3.2430, 25.4530

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.



34.5900, 21.0008, 43.6304



13.3205, 21.0008, 3.6099



21.0159, 21.0008, 86.0821

Square

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



13.3205, 21.0008, 3.6099



10.8528, 21.0008, 52.0338



28.5059, 21.0008, 71.0953



33.1150, 21.0008, 7.3395

Rectangle

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



13.3205, 21.0008, 3.6099



9.4039, 21.0008, 19.3683



28.5059, 21.0008, 71.0953



36.4135, 21.0008, 26.7620

Sweetspot

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



13.3210, 21.0017, 3.6104



36.0928, 43.4454, 28.3823



12.8682, 9.3503, 1.3853



7.8288, 9.5955, 5.7964



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.



13.3210, 21.0017, 3.6104



22.9658, 37.1609, 5.9623



9.8634, 19.2193, 3.4485



5.6214, 6.1730, 5.7846



11.8110, 18.9814, 3.0413



0.1382, 0.1945, 0.0303

Inverse Universe

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



7.0866, 3.2430, 25.4530



11.7435, 5.0594, 45.4855



14.1122, 6.8649, 25.7818



5.3329, 5.3598, 6.7822



6.0907, 2.6335, 23.1644



0.0825, 0.0377, 0.2226

Previews

White Background



This preview shows how the XYZ color 13.3205, 21.0008, 3.6099 looks on a white background.

Color Contrast Check

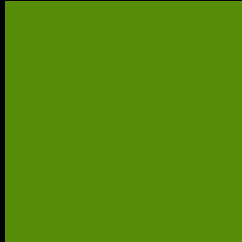
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3205, 21.0008, 3.6099 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 13.3205, 21.0008, 3.6099

Background



This preview shows how black text looks on a background with the XYZ color 13.3205, 21.0008, 3.6099.



This preview shows how white text looks on a background with the XYZ color 13.3205, 21.0008,

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

13.3205, 21.0008, 3.6099

Protanopia

18.6162, 20.6725, 3.0090

Deuteranopia

20.9191, 20.5515, 4.0267



Tritanopia

18.3656, 20.9523, 28.6674

Trichromacy



Original Color

13.3205, 21.0008, 3.6099

Protanomaly

16.0179, 20.3041, 3.1610

Deuteranomaly

17.0943, 20.0620, 3.7304

Tritanomaly

15.4037, 20.5690, 13.7480

Monochromacy



Original Color

13.3205, 21.0008, 3.6099

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2955, 16.8651, 8.8579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3205, 21.0008, 3.6099 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(85, 141, 9)` looks like.

```
.text, #text, p{  
    color:rgb(85, 141, 9)  
}
```

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(85, 141, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 141, 9) }
```

Border

The CSS property to change the border of an element to XYZ 13.3205, 21.0008, 3.6099 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(85, 141, 9) }
```


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

```
.border{ border-color:rgb(85, 141, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 141, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 141, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 141, 9);  
box-shadow:4px 4px 4px 4px rgb(85, 141, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3205, 21.0008, 3.6099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 141, 9) }
```

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

```
.background{ background-color: rgb(85, 141,  
9) }
```

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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