

Converting Colors

XYZ(45.3718, 64.3307, 21.0920)

Have a look what the booklet for
XYZ(45.3718, 64.3307, 21.0920)
contains.

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Color

**XYZ(45.3718, 64.3307,
21.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	A5E460
RGB	165, 228, 96
RGB Percent	65%, 89%, 38%
CMY	0.3529, 0.1059, 0.6235
CMYK	0.28, 0.00, 0.58, 0.11
HSL	89°, 71%, 64%
HSV	89°, 58%, 89%
XYZ	45.3718, 64.3307, 21.0920
YIQ	194.1150, 4.8240, -54.4080

Conversions

Conversions Part 2

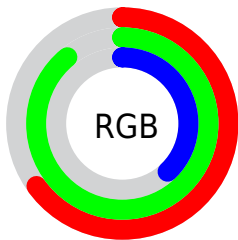
Format	Color
R_{YB}	96, 228, 159
Decimal	10871904
CIE Lab	84.14, -40.86, 56.93
CIE LCh	84, 70.075, 125.668
Yxy	64.3307, 0.3469, 0.4918
Android (android.graphics.Color)	4289061984 (0xFFA5E460)
YUV	194.1150, -48.3707, -25.5339
Hunter-Lab	80.2064, -39.3860, 40.5529

Details

The XYZ color **45.3718, 64.3307, 21.0920** is a light color, and the websafe version is hex **99CC33**. A complement of this color would be **32.4873, 21.3399, 75.8092**, and the grayscale version is **51.6233, 54.3118, 59.1455**.

A 20% lighter version of the original color is **71.6964, 89.4100, 42.3332**, and **21.4594, 32.9164, 7.3203** is the 20% darker color. If you saturate the color by 10%, you get **42.3029, 62.8549, 16.2413**, and if you desaturate by 10%, it is **48.9408, 66.0332, 27.5574**.

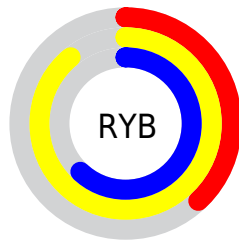
Distribution



Red (65%)

Green (89%)

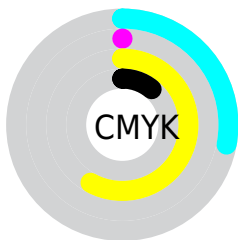
Blue (38%)



Red (38%)

Yellow (89%)

Blue (62%)

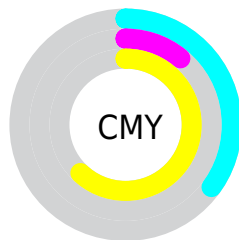


Cyan (28%)

Magenta (0%)

Yellow (58%)

Black (11%)



Cyan (35%)

Magenta (11%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3718, 64.3307, 21.0920 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 45.3718, 64.3307, 21.0920 by changing the saturation by 10% instead.


 45.3718, 64.3307,
21.0920

 45.3718, 64.3307,
21.0920


359.0357,
440.3829, 270.5641


 31.9529, 46.9186,
12.9994


 82.5117, 111.0871,
46.1234

 21.4809, 32.9713,
7.2974


 106.9634,
141.2001, 63.8992

 13.5904, 22.1045,
3.5675

 135.8234,
176.3155, 85.7398

 7.9162, 13.9337,
1.3912

 169.4571,
216.8178, 112.0638

 4.0927, 8.0745,
0.1349

208.2298,
263.0913, 143.2897

 1.7547, 4.1427,
0.0000

252.5069,

 0.4902, 1.7537,

315.5203, 179.8360

0.0000

302.6538,
374.4894, 222.1213

■ 0.0000, 0.4581,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3718, 64.3307,
21.0920

■ 45.3718, 64.3307,
21.0920

■ 42.3029, 62.8549,
16.2413

■ 48.9408, 66.0332,
27.5574

■ 39.6976, 61.5839,
12.8580


■ 53.0339, 67.9660,
35.7594


■ 37.5205, 60.5055,
10.7750


■ 57.6784, 70.1426,
45.8130


■ 35.7221, 59.5990,
9.7589


■ 62.8985, 72.5733,
57.8222

 35.3769, 59.4241,
9.6054

 68.7166, 75.2674,
71.8831

 75.1537, 78.2339,
88.0857

 82.1318, 81.4420,
105.9988

 85.9623, 83.4167,
106.1781

 87.0348, 83.9696,
106.2283

Harmonies

Analogous

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



58.2501, 64.3307, 14.8375



45.3718, 64.3307, 21.0920



37.8255, 64.3307, 40.4534

Triad

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



45.3718, 64.3307, 21.0920



49.6767, 64.3307, 180.0404



95.8245, 64.3307, 61.9548

Complementary

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



45.3718, 64.3307, 21.0920



32.4873, 21.3399, 75.8092

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.



92.4914, 64.3307, 111.3901



45.3718, 64.3307, 21.0920



64.1331, 64.3307, 193.8102

Square

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



45.3718, 64.3307, 21.0920



40.0014, 64.3307, 132.4736



80.2046, 64.3307, 164.6925



88.6695, 64.3307, 31.1553

Rectangle

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



45.3718, 64.3307, 21.0920



35.9970, 64.3307, 63.7984



80.2046, 64.3307, 164.6925



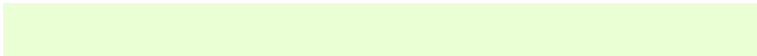
95.9062, 64.3307, 76.6869

Sweetspot

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



45.3733, 64.3335, 21.0934



81.6327, 93.8006, 75.8589



46.2675, 41.6583, 16.6695



17.1659, 19.9347, 15.5134



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.3733, 64.3335, 21.0934



53.9716, 80.7452, 20.1475



35.1566, 59.0666, 20.6153



14.9046, 16.4579, 15.2956



20.5648, 34.3830, 5.5527



1.6268, 2.5960, 0.4153

Inverse Universe

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



32.4873, 21.3399, 75.8092



35.9604, 20.6091, 96.6904



48.8057, 29.7524, 76.5729



14.2340, 14.2229, 18.1394



11.8506, 5.1751, 42.7575



0.9824, 0.4374, 3.1646

Previews

White Background



This preview shows how the XYZ color 45.3718, 64.3307, 21.0920 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 45.3718, 64.3307, 21.0920 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 ✓ Pass

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

XYZ 45.3718, 64.3307, 21.0920

Background



This preview shows how black text looks on a background with the XYZ color 45.3718, 64.3307, 21.0920.



This preview shows how white text looks on a background with the XYZ color 45.3718, 64.3307,

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

45.3718, 64.3307, 21.0920

Protanopia

57.9246, 63.4949, 18.8756

Deuteranopia

64.8749, 63.7608, 24.5106



Tritanopia

58.2375, 64.0530, 84.8953

Trichromacy



Original Color

45.3718, 64.3307, 21.0920



Protanomaly

52.5001, 63.2943, 19.5752



Deuteranomaly

55.8246, 62.6843, 23.0669



Tritanomaly

51.9065, 63.3875, 53.7552

Monochromacy



Original Color

45.3718, 64.3307, 21.0920



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.7713, 56.6785, 40.7700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3718, 64.3307, 21.0920 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(165, 228, 96)` looks like.

```
.text, #text, p{  
    color:rgb(165, 228, 96)  
}
```

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(165, 228, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 228, 96) }
```

Border

The CSS property to change the border of an element to XYZ 45.3718, 64.3307, 21.0920 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(165, 228, 96) }
```


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

```
.border{ border-color:rgb(165, 228, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 228, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 228, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 228, 96);  
box-shadow:4px 4px 4px 4px rgb(165, 228,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3718, 64.3307, 21.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 228, 96) }
```

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

```
.background{ background-color: rgb(165,  
228, 96) }
```

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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