

Converting Colors

XYZ(50.6430, 75.7135, 20.2176)

Have a look what the booklet for
XYZ(50.6430, 75.7135, 20.2176)
contains.

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Color

**XYZ(50.6458, 75.7587,
20.1372)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F853
RGB	165, 248, 83
RGB Percent	65%, 97%, 33%
CMY	0.3529, 0.0274, 0.6745
CMYK	0.33, 0.00, 0.67, 0.03
HSL	90°, 92%, 65%
HSV	90°, 67%, 97%
XYZ	50.6458, 75.7587, 20.1372
YIQ	204.3730, 3.4970, -68.9110

Conversions

Conversions Part 2

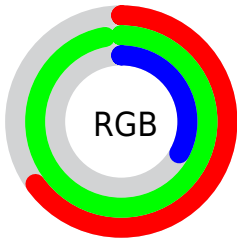
Format	Color
R_{YB}	83, 248, 166
Decimal	10877011
CIE _{Lab}	89.75, -50.45, 68.37
CIE _{LCh}	90, 84.971, 126.421
Yxy	75.7587, 0.3456, 0.5170
Android (android.graphics.Color)	4289067091 (0xFFA5F853)
YUV	204.3730, -59.8369, -34.5301
Hunter-Lab	87.0395, -48.4550, 47.2105

Details

The XYZ color **50.6458, 75.7587, 20.1372** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **35.7660, 21.0732, 90.9937**, and the grayscale version is **57.9982, 61.0186, 66.4492**.

A 20% lighter version of the original color is **71.2341, 89.2607, 38.2856**, and **24.7606, 40.4139, 6.8435** is the 20% darker color. If you saturate the color by 10%, you get **47.3851, 74.1717, 15.8495**, and if you desaturate by 10%, it is **54.5056, 77.6198, 26.2427**.

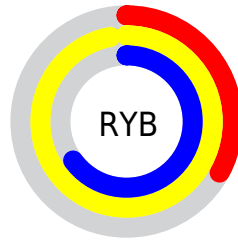
Distribution



Red (65%)

Green (97%)

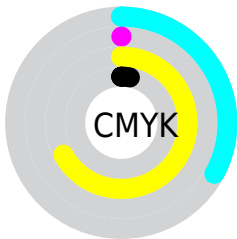
Blue (33%)



Red (33%)

Yellow (97%)

Blue (65%)

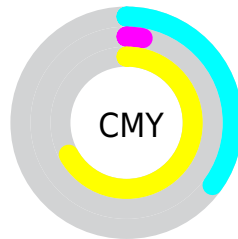


Cyan (33%)

Magenta (0%)

Yellow (67%)

Black (3%)



Cyan (35%)


Magenta (3%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6458, 75.7587, 20.1372 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 50.6458, 75.7587, 20.1372 by changing the saturation by 10% instead.


 50.6458, 75.7587,
20.1372


 50.6458, 75.7587,
20.1372


379.5964,
480.5213, 265.2857

 36.1467, 56.2347,
12.3097


 90.3171, 127.3858,
44.5091


 24.7181, 40.3911,
6.8299


 116.2200,
160.2576, 61.8906

 15.9948, 27.8436,
3.2791


 146.6549,
198.3474, 83.2939

 9.6113, 18.2078,
1.2389

 181.9871,
242.0397, 109.1374

 5.2023, 11.0993,
0.0109

222.5820,
291.7189, 139.8399

 2.4024, 6.1337,
0.0000

268.8050,

 0.8463, 2.9265,

347.7693, 175.8197

0.0000

321.0213,
410.5753, 217.4954

0.0000, 1.0935,
0.0000

0.0000, 0.0000,
0.0000

50.6458, 75.7587,
20.1372

50.6458, 75.7587,
20.1372

47.3851, 74.1717,
15.8495

54.5056, 77.6198,
26.2427

44.6724, 72.8297,
13.1718

58.9988, 79.7617,
34.3340


42.4539, 71.7129,
11.8515


64.1629, 82.2028,
44.5658


41.7722, 71.3669,
11.5736

70.0304, 84.9567,
57.0758

 76.6314, 88.0364,
71.9905

 83.9941, 91.4537,
89.4269

 91.8849, 95.1159,
108.1241

 92.8590, 95.6181,
108.1697

Harmonies

Analogous

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



67.5957, 75.7587, 12.7648



50.6458, 75.7587, 20.1372



41.0451, 75.7587, 44.4212

Triad

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



50.6458, 75.7587, 20.1372



57.0694, 75.7587, 239.7685



119.8949, 75.7587, 70.2502

Complementary

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



50.6458, 75.7587, 20.1372



35.7660, 21.0732, 90.9937

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.



115.5796, 75.7587, 137.7559



50.6458, 75.7587, 20.1372



76.6048, 75.7587, 258.3668

Square

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



50.6458, 75.7587, 20.1372



44.2199, 75.7587, 171.6572



98.6595, 75.7587, 214.4450



109.5145, 75.7587, 31.2135

Rectangle

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



50.6458, 75.7587, 20.1372



38.8288, 75.7587, 75.4972



98.6595, 75.7587, 214.4450



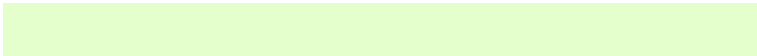
120.1397, 75.7587, 89.8983

Sweetspot

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



50.6476, 75.7620, 20.1388



79.0820, 92.5942, 70.8312



53.8213, 47.6750, 14.5502



16.5027, 19.6211, 14.2023



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.



50.6476, 75.7620, 20.1388



49.3767, 78.4706, 15.6759



38.6983, 69.6019, 19.5796



17.8391, 19.7328, 18.3310



22.7258, 38.6339, 6.2593



2.2270, 3.6411, 0.5854

Inverse Universe

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



35.7660, 21.0732, 90.9937



32.4890, 16.4209, 96.0649



58.7511, 32.9224, 92.0694



17.1152, 17.0720, 21.7785



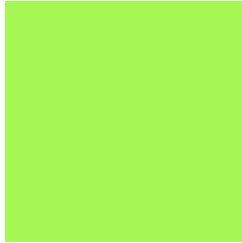
13.8646, 6.0902, 48.4183



1.4064, 0.6271, 4.4901

Previews

White Background



This preview shows how the XYZ color 50.6458, 75.7587, 20.1372 looks on a white background.

Color Contrast Check

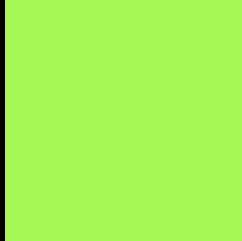
Large Text (above 18pt) WCAG AA × Fail

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 50.6458, 75.7587, 20.1372 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 50.6458, 75.7587, 20.1372

Background



This preview shows how black text looks on a background with the XYZ color 50.6458, 75.7587, 20.1372.

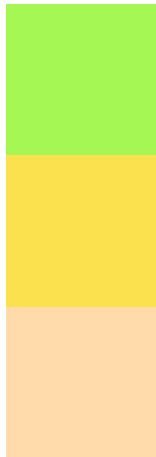


This preview shows how white text looks on a background with the XYZ color 50.6458, 75.7587,

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

50.6458, 75.7587, 20.1372

Protanopia

68.0484, 74.8955, 17.8909

Deuteranopia

73.9222, 74.8633, 49.0820



Tritanopia

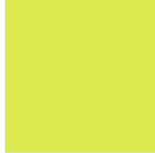
66.8510, 75.3067, 101.4547

Trichromacy



Original Color

50.6458, 75.7587, 20.1372



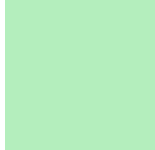
Protanomaly

60.0654, 74.0580, 18.5260



Deuteranomaly

63.0812, 73.9873, 35.3823



Tritanomaly

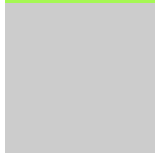
58.5822, 74.5265, 59.4416

Monochromacy



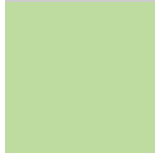
Original Color

50.6458, 75.7587, 20.1372



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.1736, 64.6716, 42.9380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6458, 75.7587, 20.1372 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, 248, 83)` looks like.

```
.text, #text, p{  
    color:rgb(165, 248, 83)  
}
```

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, 248, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 248, 83) }
```

Border

The CSS property to change the border of an element to XYZ 50.6458, 75.7587, 20.1372 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, 248, 83) }
```


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

```
.border{ border-color:rgb(165, 248, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 248, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 248, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 248, 83);  
box-shadow:4px 4px 4px 4px rgb(165, 248,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6458, 75.7587, 20.1372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 248, 83) }
```

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

```
.background{ background-color: rgb(165,  
248, 83) }
```

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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