

Converting Colors

XYZ(56.4691, 81.9189, 25.4061)

Have a look what the booklet for
XYZ(56.4691, 81.9189, 25.4061)
contains.

XYZ(56.5184, 81.9443, 25.4084)	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(56.5184, 81.9443,
25.4084)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FF66
RGB	178, 255, 102
RGB Percent	70%, 100%, 40%
CMY	0.3020, 0.0000, 0.6000
CMYK	0.30, 0.00, 0.60, 0.00
HSL	90°, 100%, 70%
HSV	90°, 60%, 100%
XYZ	56.5184, 81.9443, 25.4084
YIQ	214.5350, 3.2210, -63.9070

Conversions

Conversions Part 2

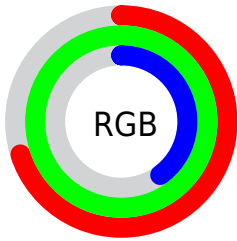
Format	Color
RYB	102, 255, 179
Decimal	11730790
CIELab	92.55, -47.43, 64.02
CIElCh	93, 79.681, 126.533
Yxy	81.9443, 0.3449, 0.5001
Android (android.graphics.Color)	4289920870 (0xFFB2FF66)
YUV	214.5350, -55.4798, -32.0412
Hunter-Lab	90.5231, -46.9683, 46.7244

Details

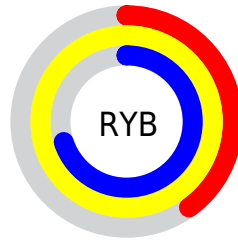
The XYZ color **56.5184, 81.9443, 25.4084** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **41.3933, 26.3079, 97.5040**, and the grayscale version is **64.6383, 68.0045, 74.0569**.

A 20% lighter version of the original color is **76.8566, 91.9931, 46.0534**, and **28.3944, 44.5631, 9.4879** is the 20% darker color. If you saturate the color by 10%, you get **52.6338, 80.0660, 19.6100**, and if you desaturate by 10%, it is **61.0678, 84.1203, 33.2698**.

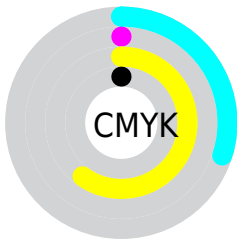
Distribution



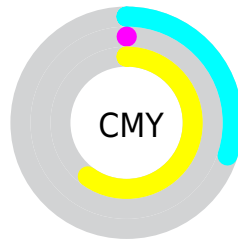
- Red (70%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (70%)



- Cyan (30%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5184, 81.9443, 25.4084 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 56.5184, 81.9443, 25.4084 by changing the saturation by 10% instead.


 56.5184, 81.9443,
25.4084


 56.5184, 81.9443,
25.4084


401.6856,
501.4614, 293.3782


 40.8573, 61.3196,
16.1598


 98.8976, 136.0959,
53.2913

 28.3948, 44.4832,
9.4817


 126.3463,
170.3916, 72.7627

 18.7655, 31.0505,
4.9556


 158.4551,
210.0131, 96.4788

 11.6039, 20.6373,
2.1630

 195.5892,
255.3448, 124.8581

 6.5449, 12.8592,
0.6529

238.1139,
306.7711, 158.3191

 3.2229, 7.3316,
0.0000

286.3947,

 1.2727, 3.6704,

364.6763, 197.2805

0.0000

340.7968,
429.4450, 242.1607

■ 0.1627, 1.4909,
0.0000

■ 0.0000, 0.2823,
0.0000

■ 56.5184, 81.9443,
25.4084

■ 56.5184, 81.9443,
25.4084

■ 52.6338, 80.0660,
19.6100

■ 61.0678, 84.1203,
33.2698

■ 49.3689, 78.4666,
15.6761

■ 66.3209, 86.6105,
43.3610

■ 46.6719, 77.1244,
13.3751

■ 72.3139, 89.4301,
55.8360

■ 44.4626, 76.0064,
12.3274

■ 79.0797, 92.5930,
70.8340

■ 44.4622, 76.0062,
12.3273

■ 86.6493, 96.1125,
88.4834

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



73.4452, 81.9443, 17.1416



56.5184, 81.9443, 25.4084



46.7903, 81.9443, 51.1020

Triad

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



56.5184, 81.9443, 25.4084



63.0904, 81.9443, 239.8957



124.4844, 81.9443, 76.8749

Complementary

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



56.5184, 81.9443, 25.4084



41.3933, 26.3079, 97.5040

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.



120.3846, 81.9443, 142.7321



56.5184, 81.9443, 25.4084



82.5014, 81.9443, 257.0842

Square

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



56.5184, 81.9443, 25.4084



50.0884, 81.9443, 175.7081



104.0555, 81.9443, 215.6871



114.4329, 81.9443, 37.1252

Rectangle

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



56.5184, 81.9443, 25.4084



44.5362, 81.9443, 82.5085



104.0555, 81.9443, 215.6871



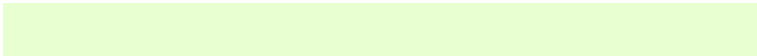
124.7383, 81.9443, 96.2931

Sweetspot

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



56.5186, 81.9444, 25.4096



80.5270, 93.2674, 74.1447



59.6590, 54.2605, 19.9005



16.7872, 19.7539, 14.8456



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.



56.5186, 81.9444, 25.4096



51.9321, 79.7242, 18.6800



43.6385, 75.3045, 24.8068



18.6311, 20.6112, 19.1407



23.4044, 39.8035, 6.4493



2.4047, 3.9404, 0.6338

Inverse Universe

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



41.3933, 26.3079, 97.5040



35.5979, 19.6491, 96.5242



64.0418, 37.9837, 98.5639



17.8743, 17.8269, 22.7488



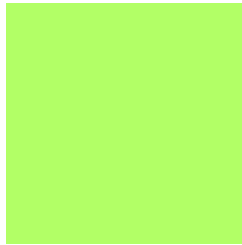
14.2820, 6.2731, 49.8927



1.5166, 0.6758, 4.8638

Previews

White Background



This preview shows how the XYZ color 56.5184, 81.9443, 25.4084 looks on a white background.

Color Contrast Check

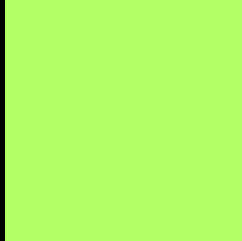
Large Text (above 18pt) WCAG AA × Fail

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 56.5184, 81.9443, 25.4084 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

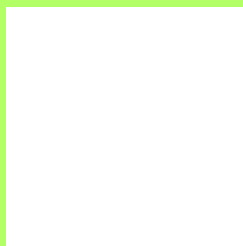
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.5184, 81.9443, 25.4084

Background



This preview shows how black text looks on a background with the XYZ color 56.5184, 81.9443, 25.4084.



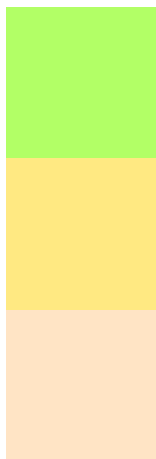
This preview shows how white text looks on a background with the XYZ color 56.5184, 81.9443,

25.4084.

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

56.5184, 81.9443, 25.4084

Protanopia

74.4082, 81.1495, 32.8608

Deuteranopia

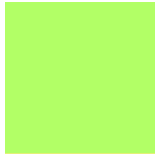
79.0614, 80.7780, 64.2481



Tritanopia

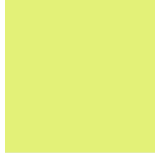
73.8014, 81.3482, 106.4198

Trichromacy



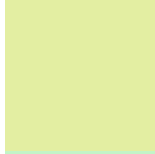
Original Color

56.5184, 81.9443, 25.4084



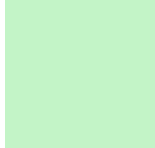
Protanomaly

66.5240, 80.5976, 29.8200



Deuteranomaly

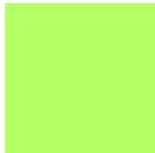
68.7747, 80.0886, 46.0163



Tritanomaly

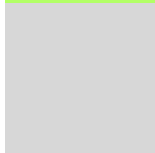
65.1652, 80.4270, 66.1222

Monochromacy



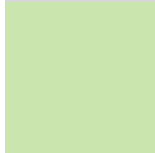
Original Color

56.5184, 81.9443, 25.4084



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.2939, 72.2062, 50.8038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5184, 81.9443, 25.4084 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(178, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 102)  
}
```

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(178, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 56.5184, 81.9443, 25.4084 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(178, 255, 102) }
```


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

```
.border{ border-color:rgb(178, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5184, 81.9443, 25.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 102) }
```

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

```
.background{ background-color: rgb(178,  
255, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor