

Converting Colors

XYZ(44.2592, 65.1436, 20.4183)

Have a look what the booklet for
XYZ(44.2592, 65.1436, 20.4183)
contains.

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Color

**XYZ(44.2180, 64.9925,
20.3395)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE75C
RGB	156, 231, 92
RGB Percent	61%, 91%, 36%
CMY	0.3882, 0.0941, 0.6392
CMYK	0.32, 0.00, 0.60, 0.09
HSL	92°, 74%, 63%
HSV	92°, 60%, 91%
XYZ	44.2180, 64.9925, 20.3395
YIQ	192.7290, -0.0810, -59.1290

Conversions

Conversions Part 2

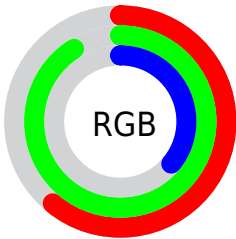
Format	Color
RYB	92, 231, 167
Decimal	10282844
CIELab	84.48, -45.68, 58.91
CIELCh	84, 74.545, 127.787
Yxy	64.9925, 0.3413, 0.5017
Android (android.graphics.Color)	4288472924 (0xFF9CE75C)
YUV	192.7290, -49.6594, -32.2113
Hunter-Lab	80.6179, -43.1762, 41.4740

Details

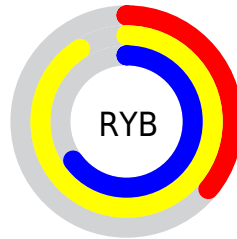
The XYZ color **44.2180, 64.9925, 20.3395** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **34.1903, 21.6413, 77.9802**, and the grayscale version is **50.8134, 53.4597, 58.2176**.

A 20% lighter version of the original color is **68.7580, 87.9227, 40.9506**, and **20.7789, 33.4339, 6.9483** is the 20% darker color. If you saturate the color by 10%, you get **41.0690, 63.4706, 15.7011**, and if you desaturate by 10%, it is **47.9255, 66.7708, 26.6134**.

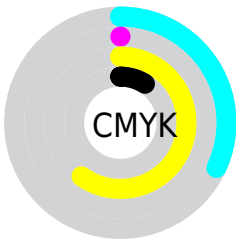
Distribution



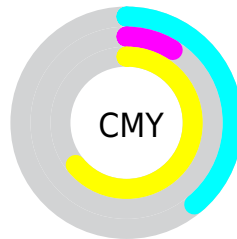
- Red (61%)
- Green (91%)
- Blue (36%)



- Red (36%)
- Yellow (91%)
- Blue (65%)



- Cyan (32%)
- Magenta (0%)
- Yellow (60%)
- Black (9%)





- Cyan (39%)
- Magenta (9%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.2180, 64.9925, 20.3395 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 44.2180, 64.9925, 20.3395 by changing the saturation by 10% instead.


 44.2180, 64.9925,
20.3395


 44.2180, 64.9925,
20.3395


354.4343,
442.7650, 266.4119

 31.0406, 47.4550,
12.4555


 80.7900, 112.0391,
44.8521


 20.7817, 33.3955,
6.9284


 104.9153,
142.3169, 62.3178

 13.0761, 22.4296,
3.3396


 133.4206,
177.6104, 83.8145

 7.5583, 14.1729,
1.2705

 166.6712,
218.3038, 109.7607

 3.8631, 8.2410,
0.0375

205.0325,
264.7816, 140.5751

 1.6250, 4.2496,
0.0000

248.8699,

 0.4086, 1.8141,

317.4281, 176.6760

0.0000

298.5487,
376.6278, 218.4821

■ 0.0000, 0.4959,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.2180, 64.9925,
20.3395

■ 44.2180, 64.9925,
20.3395

■ 41.0690, 63.4706,
15.7011

■ 47.9255, 66.7708,
26.6134

■ 38.4375, 62.1812,
12.5408


■ 52.2193, 68.8109,
34.6523


■ 36.2826, 61.1093,
10.6781

■ 57.1305, 71.1281,
44.5777


■ 34.5634, 60.2406,
9.8059

■ 62.6865, 73.7342,
56.4992

 68.9127, 76.6401,
70.5177

 75.8331, 79.8560,
86.7277

 83.4703, 83.3918,
105.2176

 87.8673, 85.6346,
106.5058

Harmonies

Analogous

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



57.5517, 64.9925, 13.3604



44.2180, 64.9925, 20.3395



36.6992, 64.9925, 41.5441

Triad

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



44.2180, 64.9925, 20.3395



50.4824, 64.9925, 193.4995



99.0717, 64.9925, 59.0962

Complementary

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



44.2180, 64.9925, 20.3395



34.1903, 21.6413, 77.9802

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.



96.2583, 64.9925, 111.2232



44.2180, 64.9925, 20.3395



66.1968, 64.9925, 205.3427

Square

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



44.2180, 64.9925, 20.3395



39.8389, 64.9925, 142.7930



83.4511, 64.9925, 170.2920



90.5656, 64.9925, 28.2534

Rectangle

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



44.2180, 64.9925, 20.3395



35.0679, 64.9925, 67.2967



83.4511, 64.9925, 170.2920



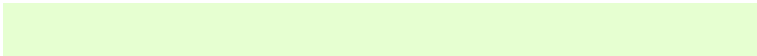
99.4426, 64.9925, 74.3521

Sweetspot

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



44.2195, 64.9953, 20.3409



79.9887, 92.9899, 74.1195



48.5499, 45.0852, 16.2696



16.6563, 19.6864, 14.8395



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.



44.2195, 64.9953, 20.3409



50.6068, 79.0409, 18.6179



35.1322, 60.2865, 21.0057



14.8167, 16.4126, 15.2915



19.5155, 33.8421, 5.5036



1.5483, 2.5555, 0.4117

Inverse Universe

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



34.1903, 21.6413, 77.9802



37.0083, 20.3762, 96.5902



50.5627, 30.1562, 75.3750



14.3221, 14.2683, 18.1435



12.9437, 5.7386, 42.8086



1.0634, 0.4792, 3.1684

Previews

White Background



This preview shows how the XYZ color 44.2180, 64.9925, 20.3395 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 44.2180, 64.9925, 20.3395 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 44.2180, 64.9925, 20.3395

Background



This preview shows how black text looks on a background with the XYZ color 44.2180, 64.9925, 20.3395.

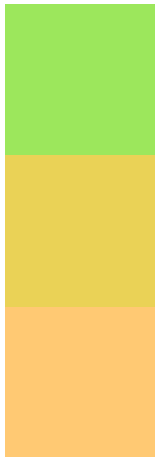


This preview shows how white text looks on a background with the XYZ color 44.2180, 64.9925,

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

44.2180, 64.9925, 20.3395

Protanopia

58.6580, 64.2575, 18.1154

Deuteranopia

65.2212, 64.2711, 25.1877



Tritanopia

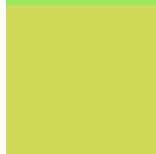
57.7956, 64.9133, 87.3253

Trichromacy



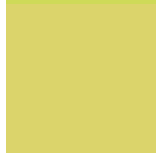
Original Color

44.2180, 64.9925, 20.3395



Protanomaly

52.2865, 63.9692, 18.8240



Deuteranomaly

55.4107, 63.2086, 23.1899



Tritanomaly

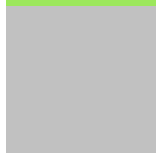
50.9270, 64.0550, 53.9357

Monochromacy



Original Color

44.2180, 64.9925, 20.3395



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.1360, 56.7292, 39.9180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2180, 64.9925, 20.3395 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(156, 231, 92)` looks like.

```
.text, #text, p{  
    color:rgb(156, 231, 92)  
}
```

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(156, 231, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 231, 92) }
```

Border

The CSS property to change the border of an element to XYZ 44.2180, 64.9925, 20.3395 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(156, 231, 92) }
```


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

```
.border{ border-color:rgb(156, 231, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 231, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 231, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 231, 92);  
box-shadow:4px 4px 4px 4px rgb(156, 231,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2180, 64.9925, 20.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 231, 92) }
```

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

```
.background{ background-color: rgb(156,  
231, 92) }
```

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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