

Converting Colors

XYZ(55.8808, 69.3513, 20.2795)

Have a look what the booklet for
XYZ(55.8808, 69.3513, 20.2795)
contains.

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Color

**XYZ(55.9358, 69.3951,
20.3440)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E35B
RGB	210, 227, 91
RGB Percent	82%, 89%, 36%
CMY	0.1765, 0.1098, 0.6431
CMYK	0.07, 0.00, 0.60, 0.11
HSL	68°, 71%, 62%
HSV	68°, 60%, 89%
XYZ	55.9358, 69.3951, 20.3440
YIQ	206.4130, 33.5240, -45.9000

Conversions

Conversions Part 2

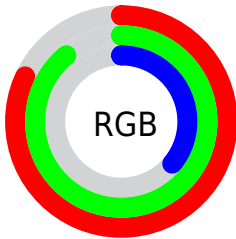
Format	Color
RYB	91, 227, 108
Decimal	13820763
CIELab	86.70, -23.66, 62.73
CIELCh	87, 67.045, 110.668
Yxy	69.3951, 0.3840, 0.4764
Android (android.graphics.Color)	4292010843 (0xFFD2E35B)
YUV	206.4130, -56.8986, 3.1458
Hunter-Lab	83.3037, -25.9244, 43.8331

Details

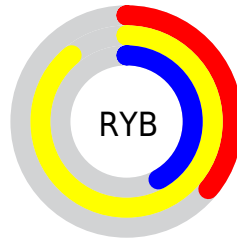
The XYZ color **55.9358, 69.3951, 20.3440** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **23.7929, 16.2180, 74.5535**, and the grayscale version is **59.2712, 62.3579, 67.9078**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **28.1639, 36.3872, 6.9779** is the 20% darker color. If you saturate the color by 10%, you get **54.3005, 68.6510, 15.9066**, and if you desaturate by 10%, it is **57.8848, 70.2714, 26.3445**.

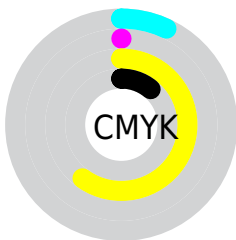
Distribution



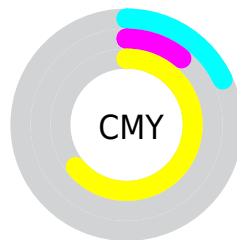
- Red (82%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (42%)



- Cyan (7%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (18%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9358, 69.3951, 20.3440 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 55.9358, 69.3951, 20.3440 by changing the saturation by 10% instead.


 55.9358, 69.3951,
20.3440


 55.9358, 69.3951,
20.3440


399.5285,
458.4232, 266.4369


 40.3882, 51.0335,
12.4588


 98.0511, 118.3457,
44.8597


 28.0269, 36.2353,
6.9306


 125.3495,
149.7036, 62.3273

 18.4865, 24.6160,
3.3410


 157.2956,
186.1623, 83.8261

 11.4016, 15.7912,
1.2713

 194.2547,
228.1064, 109.7746

 6.4069, 9.3765,
0.0381

236.5922,
275.9201, 140.5914

 3.1371, 4.9876,
0.0000

284.6734,

 1.2267, 2.2400,

329.9879, 176.6950

0.0000

338.8637,
390.6941, 218.5040

■ 0.1273, 0.7417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9358, 69.3951,
20.3440

■ 55.9358, 69.3951,
20.3440

■ 54.3005, 68.6510,
15.9066

■ 57.8848, 70.2714,
26.3445

■ 52.9464, 68.0184,
12.8822


■ 60.1669, 71.2801,
34.0311


■ 51.8421, 67.4875,
11.0995


■ 62.8056, 72.4331,
43.5198


■ 50.9311, 67.0354,
10.2606


■ 65.8208, 73.7384,
54.9149


 50.9233, 67.0315,
10.2544

 69.2307, 75.2033,
68.3129

 73.0527, 76.8347,
83.8036

 77.3027, 78.6390,
101.4714

 79.0296, 79.4357,
105.7751

 79.9622, 79.9165,
105.8187

Harmonies

Analogous

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



70.9382, 69.3951, 18.5688



55.9358, 69.3951, 20.3440



45.3868, 69.3951, 33.1702

Triad

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



55.9358, 69.3951, 20.3440



48.7280, 69.3951, 163.2883



100.1704, 69.3951, 90.3498

Complementary

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



55.9358, 69.3951, 20.3440



23.7929, 16.2180, 74.5535

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.



91.9602, 69.3951, 144.0598



55.9358, 69.3951, 20.3440



61.2165, 69.3951, 195.8381

Square

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



55.9358, 69.3951, 20.3440



41.7033, 69.3951, 110.0814



77.1110, 69.3951, 187.6754



98.1598, 69.3951, 49.1343

Rectangle

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



55.9358, 69.3951, 20.3440



41.5276, 69.3951, 50.5585



77.1110, 69.3951, 187.6754



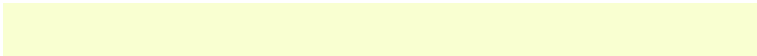
98.4715, 69.3951, 107.6836

Sweetspot

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



55.9374, 69.3983, 20.3454



86.4409, 96.3161, 74.4215



38.8131, 27.5757, 13.1754



18.2389, 20.5022, 14.9135



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.



55.9374, 69.3983, 20.3454



70.2027, 89.1430, 19.5350



40.7107, 61.5486, 19.6329



15.4149, 16.7210, 15.3195



29.7653, 39.1260, 5.9833



2.2495, 2.9170, 0.4445

Inverse Universe

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



23.7929, 16.2180, 74.5535



24.9816, 14.1762, 96.0273



35.2578, 22.1284, 75.0900



13.7495, 13.9731, 18.1167



8.4242, 3.4087, 42.5971



0.6774, 0.2802, 3.1503

Previews

White Background



This preview shows how the XYZ color 55.9358, 69.3951, 20.3440 looks on a white background.

Color Contrast Check

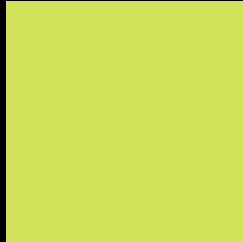
Large Text (above 18pt) WCAG AA × Fail

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 55.9358, 69.3951, 20.3440 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 55.9358, 69.3951, 20.3440

Background



This preview shows how black text looks on a background with the XYZ color 55.9358, 69.3951, 20.3440.



This preview shows how white text looks on a background with the XYZ color 55.9358, 69.3951,

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

55.9358, 69.3951, 20.3440

Protanopia

62.8499, 69.0311, 19.2443

Deuteranopia

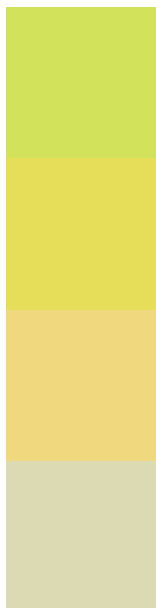
69.0745, 68.8745, 36.0391



Tritanopia

69.1285, 69.3092, 84.5975

Trichromacy



Original Color

55.9358, 69.3951, 20.3440

Protanomaly

60.2928, 69.2572, 19.6414

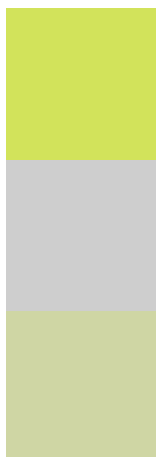
Deuteranomaly

63.8541, 68.9431, 29.3439

Tritanomaly

62.7233, 68.6131, 52.5856

Monochromacy



Original Color

55.9358, 69.3951, 20.3440

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

56.4795, 64.0389, 44.5059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9358, 69.3951, 20.3440 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(210, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(210, 227, 91)  
}
```

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(210, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 55.9358, 69.3951, 20.3440 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(210, 227, 91) }
```


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

```
.border{ border-color:rgb(210, 227, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(210, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9358, 69.3951, 20.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 227, 91) }
```

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

```
.background{ background-color: rgb(210,  
227, 91) }
```

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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