

Converting Colors

XYZ(50.3730, 56.3437, 21.6060)

Have a look what the booklet for
XYZ(50.3730, 56.3437, 21.6060)
contains.

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Color

**XYZ(50.3555, 56.3255,
21.5825)**

Conversions

Conversions Part 1

Format	Color
Hex	D4C869
RGB	212, 200, 105
RGB Percent	83%, 78%, 41%
CMY	0.1686, 0.2157, 0.5882
CMYK	0.00, 0.06, 0.50, 0.17
HSL	53°, 55%, 62%
HSV	53°, 50%, 83%
XYZ	50.3555, 56.3255, 21.5825
YIQ	192.7580, 37.6470, -27.0010

Conversions

Conversions Part 2

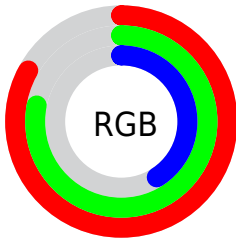
Format	Color
RYB	119, 212, 105
Decimal	13944937
CIELab	79.80, -8.34, 48.56
CIElCh	80, 49.270, 99.750
Yxy	56.3255, 0.3926, 0.4391
Android (android.graphics.Color)	4292135017 (0xFFD4C869)
YUV	192.7580, -43.2647, 16.8752
Hunter-Lab	75.0503, -11.5723, 35.4850

Details

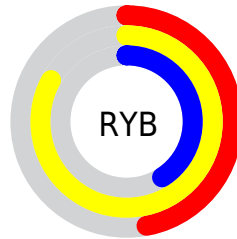
The XYZ color **50.3555, 56.3255, 21.5825** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.0706, 20.4788, 64.9715**, and the grayscale version is **50.7782, 53.4226, 58.1772**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **24.4623, 27.7927, 7.5652** is the 20% darker color. If you saturate the color by 10%, you get **48.8532, 54.8528, 16.3599**, and if you desaturate by 10%, it is **52.1406, 57.9292, 28.2407**.

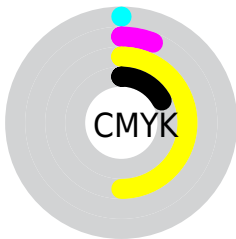
Distribution



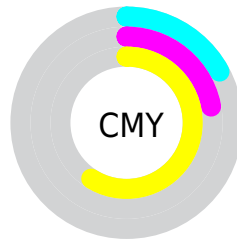
- Red (83%)
- Green (78%)
- Blue (41%)



- Red (47%)
- Yellow (83%)
- Blue (41%)



- Cyan (0%)
- Magenta (6%)
- Yellow (50%)
- Black (17%)



- Cyan (17%)
- Magenta (22%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3555, 56.3255, 21.5825 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 50.3555, 56.3255, 21.5825 by changing the saturation by 10% instead.

50.3555, 56.3255,
21.5825

50.3555, 56.3255,
21.5825

378.4836,
410.9170, 273.2402

35.9149, 40.4640,
13.3551

89.8901, 99.4803,
46.9483

24.5383, 27.9005,
7.5399

115.7147,
127.5424, 64.9237

15.8603, 18.2506,
3.7185

146.0648,
160.4401, 86.9856

9.5156, 11.1301,
1.4722

181.3056,
198.5579, 113.5524

5.1388, 6.1544,
0.1971

221.8025,
242.2800, 145.0428

2.3645, 2.9392,
0.0000

267.9210,

0.8274, 1.1001,

291.9910, 181.8751

0.0000

320.0262,
348.0752, 224.4681

■ 0.0000, 0.0000,
0.0000

■ 50.3555, 56.3255,
21.5825

■ 50.3555, 56.3255,
21.5825

■ 48.8532, 54.8528,
16.3599

■ 52.1406, 57.9292,
28.2407

■ 47.6092, 53.4949,
12.4609

■ 54.2231, 59.6635,
36.4281

■ 46.6012, 52.2450,
9.7630

■ 56.6211, 61.5378,
46.2346

■ 45.8012, 51.0919,
8.1191

■ 59.3503, 63.5585,
57.7421

■ 45.1847, 50.0638,
7.2818

■ 62.4251, 65.7314,
71.0271

■ 65.8593, 68.0620,
86.1611

■ 69.6657, 70.5555,
103.2120

■ 70.5375, 71.8893,
104.7660

■ 71.1620, 73.1384,
104.9742

Harmonies

Analogous

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



60.4462, 56.3255, 22.9043



50.3555, 56.3255, 21.5825



42.1930, 56.3255, 28.0704

Triad

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



50.3555, 56.3255, 21.5825



40.1124, 56.3255, 103.5425



73.6024, 56.3255, 82.3533

Complementary

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



50.3555, 56.3255, 21.5825



24.0706, 20.4788, 64.9715

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.



66.7483, 56.3255, 113.9420



50.3555, 56.3255, 21.5825



47.1731, 56.3255, 128.5736

Square

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



50.3555, 56.3255, 21.5825



36.7830, 56.3255, 71.1007



56.8471, 56.3255, 132.8788



74.7303, 56.3255, 52.4961

Rectangle

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



50.3555, 56.3255, 21.5825



38.6293, 56.3255, 37.6272



56.8471, 56.3255, 132.8788



71.8546, 56.3255, 93.3402

Sweetspot

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



50.3569, 56.3281, 21.5837



88.1392, 95.0714, 79.1805



35.4427, 25.3966, 20.0137



18.6782, 20.2100, 16.1601



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.



50.3569, 56.3281, 21.5837



73.9611, 83.0643, 24.0523



42.8846, 56.7631, 22.0614



13.3484, 14.2711, 13.2118



27.9411, 30.9995, 4.5109



1.7199, 1.9390, 0.2836

Inverse Universe

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



24.0706, 20.4788, 64.9715



29.5931, 22.5944, 97.4092



28.7928, 20.9698, 64.8174



11.8536, 12.2306, 15.6735



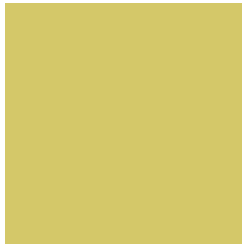
7.5719, 3.4055, 38.7114



0.4952, 0.2825, 2.3477

Previews

White Background



This preview shows how the XYZ color 50.3555, 56.3255, 21.5825 looks on a white background.

Color Contrast Check

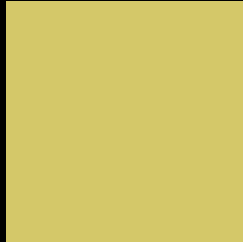
Large Text (above 18pt) WCAG AA × Fail

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 50.3555, 56.3255, 21.5825 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 50.3555, 56.3255, 21.5825

Background



This preview shows how black text looks on a background with the XYZ color 50.3555, 56.3255, 21.5825.



This preview shows how white text looks on a background with the XYZ color 50.3555, 56.3255,

21.5825.

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

50.3555, 56.3255, 21.5825

Protanopia

51.6062, 56.2931, 21.2424

Deuteranopia

57.5223, 56.3551, 22.0332



Tritanopia

59.2209, 56.2844, 64.8694

Trichromacy



Original Color

50.3555, 56.3255, 21.5825

Protanomaly

51.2410, 56.4453, 21.2910

Deuteranomaly

54.6788, 56.1904, 21.8739

Tritanomaly

55.0513, 55.8725, 44.9287

Monochromacy



Original Color

50.3555, 56.3255, 21.5825

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.9924, 54.3324, 41.5705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3555, 56.3255, 21.5825 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(212, 200, 105)` looks like.

```
.text, #text, p{  
    color:rgb(212, 200, 105)  
}
```

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(212, 200, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 200, 105) }
```

Border

The CSS property to change the border of an element to XYZ 50.3555, 56.3255, 21.5825 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(212, 200, 105) }
```


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

```
.border{ border-color:rgb(212, 200, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 200, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 200, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 200, 105);  
box-shadow:4px 4px 4px 4px rgb(212, 200,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3555, 56.3255, 21.5825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 200, 105) }
```

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

```
.background{ background-color: rgb(212,  
200, 105) }
```

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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