

# Converting Colors

XYZ(55.5047, 61.3374, 28.3862)

Have a look what the booklet for  
XYZ(55.5047, 61.3374, 28.3862)  
contains.

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# **Color**

**XYZ(55.5297, 61.3220,  
28.3116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCCF7D
RGB	220, 207, 125
RGB Percent	86%, 81%, 49%
CMY	0.1373, 0.1882, 0.5098
CMYK	0.00, 0.06, 0.43, 0.14
HSL	52°, 58%, 68%
HSV	52°, 43%, 86%
XYZ	55.5297, 61.3220, 28.3116
YIQ	201.5390, 34.0700, -22.7460

# Conversions

## Conversions Part 2

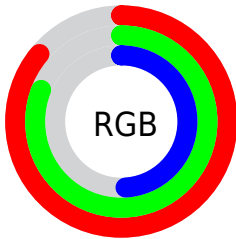
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 220, 125
Decimal	14471037
CIELab	82.55, -6.80, 42.26
CIELCh	83, 42.807, 99.142
Yxy	61.3220, 0.3825, 0.4224
Android (android.graphics.Color)	4292661117 (0xFFDCCF7D)
YUV	201.5390, -37.7337, 16.1903
Hunter-Lab	78.3084, -10.4625, 33.3802

# Details

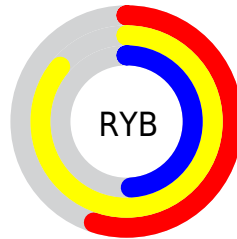
The XYZ color **55.5297, 61.3220, 28.3116** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.4640, 27.7033, 71.4517**, and the grayscale version is **56.0658, 58.9856, 64.2353**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **27.7315, 31.0634, 11.0128** is the 20% darker color. If you saturate the color by 10%, you get **53.5555, 59.3791, 21.4712**, and if you desaturate by 10%, it is **57.8321, 63.4229, 36.7985**.

# Distribution



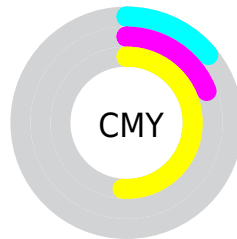
- Red (86%)
- Green (81%)
- Blue (49%)



- Red (55%)
- Yellow (86%)
- Blue (49%)



- Cyan (0%)
- Magenta (6%)
- Yellow (43%)
- Black (14%)



- Cyan (14%)
- Magenta (19%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5297, 61.3220, 28.3116 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 55.5297, 61.3220, 28.3116 by changing the saturation by 10% instead.



■ 55.5297, 61.3220,  
28.3116

■ 55.5297, 61.3220,  
28.3116

398.0205,  
429.4537, 307.9115

■ 40.0615, 44.4851,  
18.3196

■ 97.4604, 106.7450,  
58.0106

■ 27.7709, 31.0520,  
11.0079

■ 124.6536,  
136.0999, 78.5547

■ 18.2926, 20.6385,  
5.9579

■ 156.4859,  
170.3963, 103.4533

■ 11.2612, 12.8600,  
2.7511

193.3226,  
210.0185, 133.1248

■ 6.3114, 7.3322,  
0.9690

235.5291,  
255.3509, 167.9878

■ 3.0778, 3.6707,  
0.0000

283.4706,

■ 1.1950, 1.4911,

306.7780, 208.4609

0.0000

337.5127,  
364.6841, 254.9627

■ 0.1024, 0.2825,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5297, 61.3220,  
28.3116

■ 55.5297, 61.3220,  
28.3116

■ 53.5555, 59.3791,  
21.4712

■ 57.8321, 63.4229,  
36.7985

■ 51.8842, 57.5772,  
16.1640


■ 60.4771, 65.6810,  
47.0274


■ 50.4937, 55.9096,  
12.2683


■ 63.4838, 68.1062,  
59.0913


■ 49.3573, 54.3656,  
9.6427


■ 66.8683, 70.7051,  
73.0754


 48.4422, 52.9318,  
8.1157


 70.6459, 73.4840,  
89.0593

 47.9086, 52.0026,  
7.5125

 74.5069, 76.3191,  
105.4119

 75.3279, 77.9611,  
105.6855

 76.1633, 79.6319,  
105.9640

 77.0132, 81.3317,  
106.2473

# Harmonies

## Analogous

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



64.7863, 61.3220, 29.8431



55.5297, 61.3220, 28.3116



47.8544, 61.3220, 34.7799

# Triad

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



55.5297, 61.3220, 28.3116



45.6589, 61.3220, 103.9586



76.3496, 61.3220, 86.3967

# Complementary

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



55.5297, 61.3220, 28.3116



30.4640, 27.7033, 71.4517

# 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.



70.1301, 61.3220, 114.0534



55.5297, 61.3220, 28.3116



52.2334, 61.3220, 125.8985

# Square

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



55.5297, 61.3220, 28.3116



42.5615, 61.3220, 75.1123



61.1294, 61.3220, 130.0116



77.4695, 61.3220, 59.0680



# Rectangle

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



55.5297, 61.3220, 28.3116



44.4294, 61.3220, 44.0865



61.1294, 61.3220, 130.0116



74.7571, 61.3220, 96.1411

# Sweetspot

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



55.5312, 61.3248, 28.3129



88.7352, 95.1869, 82.6979



41.5277, 31.7549, 28.4633



18.7831, 20.2080, 16.8481



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.



55.5312, 61.3248, 28.3129



75.0222, 83.1640, 30.6407



49.7275, 63.2004, 28.9808



14.0025, 14.9443, 13.8721



28.1778, 30.6413, 4.4292



1.8683, 2.0707, 0.3012



# Inverse Universe

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



30.4640, 27.7033, 71.4517



35.5896, 30.3004, 98.5805



34.4022, 27.1297, 71.1334



12.4816, 12.9030, 16.4848



7.9025, 3.6743, 40.0311

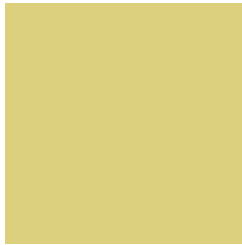


0.5593, 0.3328, 2.6092



# Previews

## White Background



This preview shows how the XYZ color 55.5297, 61.3220, 28.3116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

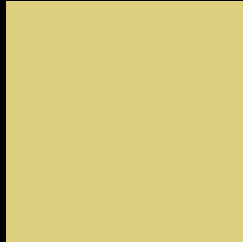
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5297, 61.3220, 28.3116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

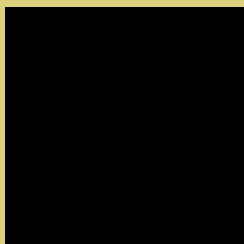
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.5297, 61.3220, 28.3116**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5297, 61.3220, 28.3116.



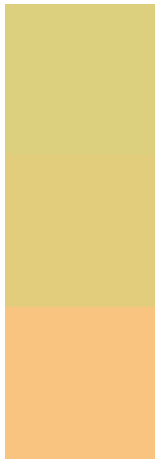
This preview shows how white text looks on a background with the XYZ color 55.5297, 61.3220,



# 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

55.5297, 61.3220, 28.3116

### Protanopia

56.5207, 61.1254, 27.8882

### Deuteranopia

62.2821, 60.9686, 28.5642



## Tritanopia

64.1630, 61.3440, 70.7462

# Trichromacy



## Original Color

55.5297, 61.3220, 28.3116

## Protanomaly

56.1408, 61.2858, 27.9392

## Deuteranomaly

59.6801, 60.9921, 28.3658

## Tritanomaly

60.4889, 61.2373, 51.8119

# Monochromacy



## Original Color

55.5297, 61.3220, 28.3116

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.5273, 59.7970, 48.6598

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5297, 61.3220, 28.3116 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(220, 207, 125)` looks like.

```
.text, #text, p{  
    color:rgb(220, 207, 125)  
}
```

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(220, 207, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 207, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5297, 61.3220, 28.3116 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(220, 207, 125) }
```



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

```
.border{ border-color:rgb(220, 207, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 207, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 207, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 207, 125);  
box-shadow:4px 4px 4px 4px rgb(220, 207,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5297, 61.3220, 28.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 207, 125) }
```

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

```
.background{ background-color: rgb(220,  
207, 125) }
```

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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