

Converting Colors

XYZ(37.7819, 53.3821, 28.5627)

Have a look what the booklet for
XYZ(37.7819, 53.3821, 28.5627)
contains.

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Color

**XYZ(37.7581, 53.2271,
28.7059)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD280
RGB	140, 210, 128
RGB Percent	55%, 82%, 50%
CMY	0.4510, 0.1765, 0.4980
CMYK	0.33, 0.00, 0.39, 0.18
HSL	111°, 48%, 66%
HSV	111°, 39%, 82%
XYZ	37.7581, 53.2271, 28.7059
YIQ	179.7220, -15.3980, -40.3420

Conversions

Conversions Part 2

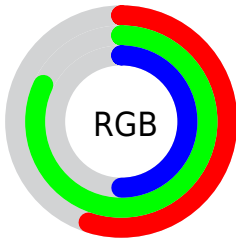
Format	Color
RYB	128, 210, 198
Decimal	9228928
CIELab	78.01, -37.65, 33.84
CIElCh	78, 50.625, 138.051
Yxy	53.2271, 0.3155, 0.4447
Android (android.graphics.Color)	4287419008 (0xFF8CD280)
YUV	179.7220, -25.4989, -34.8362
Hunter-Lab	72.9569, -35.2937, 27.7414

Details

The XYZ color **37.7581, 53.2271, 28.7059** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **42.6431, 32.0989, 64.9237**, and the grayscale version is **43.3728, 45.6315, 49.6927**.

A 20% lighter version of the original color is **66.9684, 86.6332, 57.4482**, and **16.8987, 25.9569, 11.1407** is the 20% darker color. If you saturate the color by 10%, you get **33.7380, 51.2998, 22.0341**, and if you desaturate by 10%, it is **42.5592, 55.5271, 36.9097**.

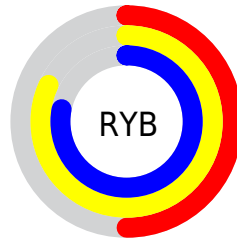
Distribution



Red (55%)

Green (82%)

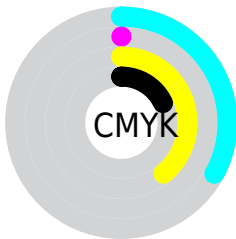
Blue (50%)



Red (50%)

Yellow (82%)

Blue (78%)

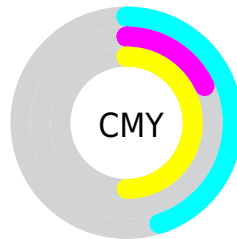


Cyan (33%)

Magenta (0%)

Yellow (39%)

Black (18%)



Cyan (45%)

Magenta (18%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7581, 53.2271, 28.7059 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 37.7581, 53.2271, 28.7059 by changing the saturation by 10% instead.

■ 37.7581, 53.2271,
28.7059

■ 37.7581, 53.2271,
28.7059

327.8800,
399.1558, 309.8422

■ 25.9714, 37.9841,
18.6148

■ 71.0435, 94.9385,
58.6461

■ 16.9348, 25.9703,
11.2183

■ 93.2729, 122.1756,
79.3322

■ 10.2830, 16.8015,
6.0978

■ 119.7139,
154.1796, 104.3872

■ 5.6507, 10.0930,
2.8349

150.7318,
191.3348, 134.2294

■ 2.6725, 5.4607,
1.0110

186.6920,
234.0256, 169.2775

■ 0.9830, 2.5200,
0.0000

227.9598,

■ 0.0000, 0.8866,

282.6365, 209.9499

0.0000

274.9007,
337.5517, 256.6653

■ 0.0000, 0.0000,
0.0000

■ 37.7581, 53.2271,
28.7059

■ 37.7581, 53.2271,
28.7059

■ 33.7380, 51.2998,
22.0341

■ 42.5592, 55.5271,
36.9097

■ 30.4532, 49.7189,
16.7961

■ 48.1756, 58.2110,
46.7286

■ 27.8597, 48.4657,
12.8877


■ 54.6447, 61.2978,
58.2439


■ 25.9065, 47.5165,
10.1891


■ 62.0001, 64.8031,
71.5306


■ 24.5356, 46.8445,
8.5594

■ 70.2737, 68.7421,
86.6589

 23.6679, 46.4137,
7.7688

 79.4958, 73.1287,
103.6954

 23.6045, 46.3824,
7.7086

 82.3376, 74.5753,
104.6625

Harmonies

Analogous

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



44.9398, 53.2271, 20.1384



37.7581, 53.2271, 28.7059



34.2151, 53.2271, 47.4232

Triad

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



37.7581, 53.2271, 28.7059



46.7655, 53.2271, 128.9710



70.8454, 53.2271, 42.7044

Complementary

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



37.7581, 53.2271, 28.7059



42.6431, 32.0989, 64.9237

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.



71.5013, 53.2271, 69.9415



37.7581, 53.2271, 28.7059



56.6966, 53.2271, 126.4377

Square

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



37.7581, 53.2271, 28.7059



38.9446, 53.2271, 108.4522



66.0442, 53.2271, 102.3631



64.3541, 53.2271, 26.2225

Rectangle

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



37.7581, 53.2271, 28.7059



34.0428, 53.2271, 65.8982



66.0442, 53.2271, 102.3631



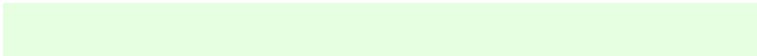
71.7838, 53.2271, 50.6777

Sweetspot

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



37.7594, 53.2294, 28.7071



81.5429, 93.5614, 84.5672



50.6025, 55.5138, 28.4711



17.1650, 19.8883, 17.5863



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.



37.7594, 53.2294, 28.7071



53.2215, 80.0153, 35.6165



38.0106, 53.1088, 40.0132



11.8150, 13.2881, 12.5542



14.4498, 28.3181, 4.7044



0.8608, 1.6106, 0.2655

Inverse Universe

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



42.6431, 32.0989, 64.9237



61.8150, 42.6743, 99.5867



42.6707, 32.4899, 47.9017



12.1337, 11.9178, 14.9045



18.5407, 8.7384, 37.9020



1.0841, 0.5131, 2.1215

Previews

White Background



This preview shows how the XYZ color 37.7581, 53.2271, 28.7059 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 37.7581, 53.2271, 28.7059 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 37.7581, 53.2271, 28.7059

Background



This preview shows how black text looks on a background with the XYZ color 37.7581, 53.2271, 28.7059.



This preview shows how white text looks on a background with the XYZ color 37.7581, 53.2271,

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

37.7581, 53.2271, 28.7059

Protanopia

48.5953, 52.6351, 25.6875

Deuteranopia

53.7567, 52.6602, 29.8854



Tritanopia

46.7592, 53.3343, 72.7958

Trichromacy



Original Color

37.7581, 53.2271, 28.7059



Protanomaly

43.8287, 52.4924, 26.8908



Deuteranomaly

46.2608, 51.6762, 29.3661



Tritanomaly

42.8223, 53.1305, 53.3456

Monochromacy



Original Color

37.7581, 53.2271, 28.7059



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.5809, 47.8341, 40.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7581, 53.2271, 28.7059 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(140, 210, 128)` looks like.

```
.text, #text, p{  
    color:rgb(140, 210, 128)  
}
```

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(140, 210, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 210, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.7581, 53.2271, 28.7059 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(140, 210, 128) }
```


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

```
.border{ border-color:rgb(140, 210, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 210, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 210, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 210, 128);  
box-shadow:4px 4px 4px 4px rgb(140, 210,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7581, 53.2271, 28.7059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 210, 128) }
```

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

```
.background{ background-color: rgb(140,  
210, 128) }
```

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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