

Converting Colors

XYZ(36.1124, 52.9933, 28.7708)

Have a look what the booklet for
XYZ(36.1124, 52.9933, 28.7708)
contains.

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Color

**XYZ(36.1922, 53.1575,
28.7750)**

Conversions

Conversions Part 1

Format	Color
Hex	7FD480
RGB	127, 212, 128
RGB Percent	50%, 83%, 50%
CMY	0.5020, 0.1686, 0.4980
CMYK	0.40, 0.00, 0.40, 0.17
HSL	121°, 50%, 66%
HSV	121°, 40%, 83%
XYZ	36.1922, 53.1575, 28.7750
YIQ	177.0090, -23.6960, -44.1440

Conversions

Conversions Part 2

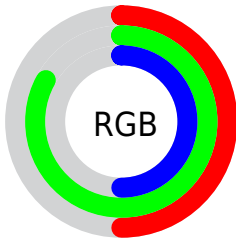
Format	Color
RYB	127, 211, 212
Decimal	8377472
CIELab	77.97, -42.63, 33.67
CIELCh	78, 54.320, 141.698
Yxy	53.1575, 0.3064, 0.4500
Android (android.graphics.Color)	4286567552 (0xFF7FD480)
YUV	177.0090, -24.1614, -43.8579
Hunter-Lab	72.9092, -38.9835, 27.6365

Details

The XYZ color **36.1922, 53.1575, 28.7750** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.5003, 33.8800, 65.7186**, and the grayscale version is **41.9277, 44.1112, 48.0371**.

A 20% lighter version of the original color is **63.7319, 84.9647, 57.2968**, and **16.0690, 26.0275, 11.1981** is the 20% darker color. If you saturate the color by 10%, you get **32.1213, 51.2036, 22.1145**, and if you desaturate by 10%, it is **41.2148, 55.5722, 36.9684**.

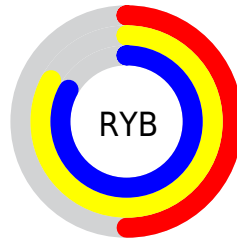
Distribution



Red (50%)

Green (83%)

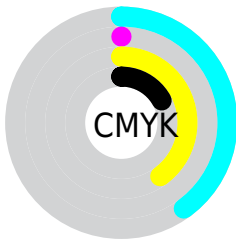
Blue (50%)



Red (50%)

Yellow (83%)

Blue (83%)

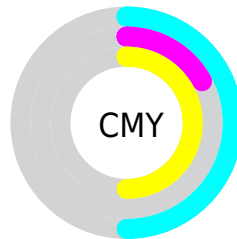


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (17%)



Cyan (50%)


Magenta (17%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1922, 53.1575, 28.7750 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 36.1922, 53.1575, 28.7750 by changing the saturation by 10% instead.


 36.1922, 53.1575,
28.7750


 36.1922, 53.1575,
28.7750


321.2164,
398.8891, 310.1795


 24.7535, 37.9285,
18.6666


 68.6506, 94.8361,
58.7573

 16.0212, 25.9272,
11.2552


 90.4009, 122.0545,
79.4683

 9.6301, 16.7692,
6.1224


 116.3191,
154.0381, 104.5505

 5.2148, 10.0701,
2.8497

146.7706,
191.1714, 134.4226

 2.4099, 5.4454,
1.0184

182.1208,
233.8388, 169.5029

 0.8500, 2.5109,
0.0000

222.7349,

 0.0000, 0.8821,

282.4246, 210.2102

0.0000

268.9783,
337.3132, 256.9629

■ 0.0000, 0.0000,
0.0000

■ 36.1922, 53.1575,
28.7750

■ 36.1922, 53.1575,
28.7750

■ 32.1213, 51.2036,
22.1145

■ 41.2148, 55.5722,
36.9684

■ 28.9384, 49.6752,
16.8885

■ 47.2397, 58.4672,
46.7781

■ 26.5786, 48.5424,
12.9927


■ 54.3185, 61.8691,
58.2854

■ 24.9659, 47.7689,
10.3071


■ 62.4982, 65.8005,
71.5654

■ 24.0109, 47.3113,
8.6903

■ 71.8230, 70.2825,
86.6885

 23.5582, 47.0945,
7.9202

 82.3346, 75.3353,
103.7215

 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



43.3756, 53.1575, 18.8882



36.1922, 53.1575, 28.7750



32.9610, 53.1575, 49.8739

Triad

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



36.1922, 53.1575, 28.7750



47.6460, 53.1575, 136.7128



71.8635, 53.1575, 38.9134

Complementary

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



36.1922, 53.1575, 28.7750



46.5003, 33.8800, 65.7186

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.



73.4269, 53.1575, 66.6990



36.1922, 53.1575, 28.7750



58.4190, 53.1575, 130.5730

Square

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



36.1922, 53.1575, 28.7750



38.9436, 53.1575, 116.6410



68.2149, 53.1575, 101.9809



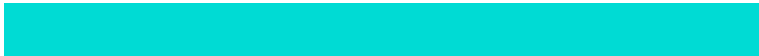
64.2003, 53.1575, 23.1594

Rectangle

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



36.1922, 53.1575, 28.7750



33.1187, 53.1575, 70.5040



68.2149, 53.1575, 101.9809



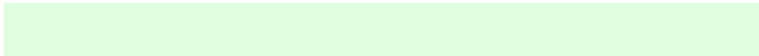
73.1589, 53.1575, 46.8598

Sweetspot

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



36.1935, 53.1597, 28.7762



80.1825, 92.8545, 84.7596



54.5279, 62.6190, 29.2918



16.8479, 19.7236, 17.6310



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.



36.1935, 53.1597, 28.7762



49.6758, 78.1964, 35.0448



39.5058, 54.4847, 46.2184



12.2683, 13.8983, 13.2274



14.5456, 29.0736, 4.9029



0.8795, 1.7544, 0.3070

Inverse Universe

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



46.5003, 33.8800, 65.7186



67.3916, 45.0532, 98.5397



41.9508, 32.0602, 41.7612



12.9464, 12.6301, 15.6582



23.9081, 11.4996, 38.4158



1.4441, 0.6944, 2.3280

Previews

White Background



This preview shows how the XYZ color 36.1922, 53.1575, 28.7750 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 36.1922, 53.1575, 28.7750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

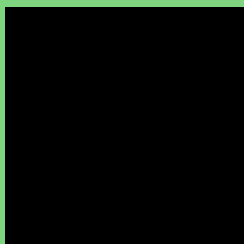
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1922, 53.1575, 28.7750

Background



This preview shows how black text looks on a background with the XYZ color 36.1922, 53.1575, 28.7750.



This preview shows how white text looks on a background with the XYZ color 36.1922, 53.1575,

28.7750.

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

36.1922, 53.1575, 28.7750

Protanopia

48.5343, 52.6106, 25.3661

Deuteranopia

53.5086, 52.5242, 30.2397



Tritanopia

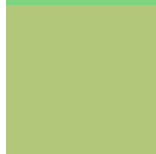
45.2186, 52.8550, 74.1484

Trichromacy



Original Color

36.1922, 53.1575, 28.7750



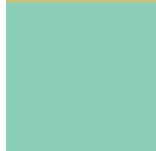
Protanomaly

42.5890, 51.8606, 26.5043



Deuteranomaly

44.9425, 51.3259, 29.3680



Tritanomaly

41.0695, 52.5687, 53.8811

Monochromacy



Original Color

36.1922, 53.1575, 28.7750



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.9695, 46.7010, 39.7612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1922, 53.1575, 28.7750 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(127, 212, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 212, 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(127, 212, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 212, 128) }
```

Border

The CSS property to change the border of an element to XYZ 36.1922, 53.1575, 28.7750 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(127, 212, 128) }
```


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

```
.border{ border-color:rgb(127, 212, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 212, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 212, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 212, 128); box-shadow:4px 4px 4px 4px rgb(127, 212, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1922, 53.1575, 28.7750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 212, 128) }
```

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

```
.background{ background-color: rgb(127,  
212, 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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