

Converting Colors

XYZ(37.6172, 54.9359, 29.3482)

Have a look what the booklet for
XYZ(37.6172, 54.9359, 29.3482)
contains.

XYZ(37.6230, 55.0112, 29.4042)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.6230, 55.0112,
29.4042)**

Conversions

Conversions Part 1

Format	Color
Hex	83D781
RGB	131, 215, 129
RGB Percent	51%, 84%, 51%
CMY	0.4863, 0.1568, 0.4941
CMYK	0.39, 0.00, 0.40, 0.16
HSL	119°, 52%, 67%
HSV	119°, 40%, 84%
XYZ	37.6230, 55.0112, 29.4042
YIQ	180.0800, -22.4580, -44.5540

Conversions

Conversions Part 2

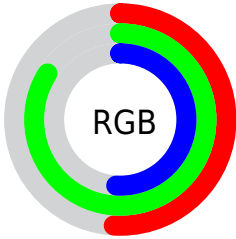
Format	Color
RYB	129, 215, 213
Decimal	8640385
CIELab	79.05, -42.57, 34.60
CIElCh	79, 54.857, 140.895
Yxy	55.0112, 0.3083, 0.4508
Android (android.graphics.Color)	4286830465 (0xFF83D781)
YUV	180.0800, -25.1824, -43.0432
Hunter-Lab	74.1695, -39.2514, 28.4134

Details

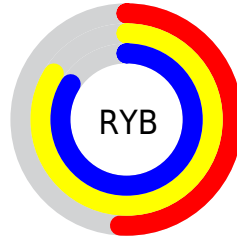
The XYZ color **37.6230, 55.0112, 29.4042** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **47.5592, 34.7547, 68.4946**, and the grayscale version is **43.5662, 45.8351, 49.9144**.

A 20% lighter version of the original color is **64.8008, 85.5037, 57.8882**, and **16.9264, 27.2282, 11.5712** is the 20% darker color. If you saturate the color by 10%, you get **33.4123, 52.9902, 22.5160**, and if you desaturate by 10%, it is **42.7964, 57.4969, 37.9094**.

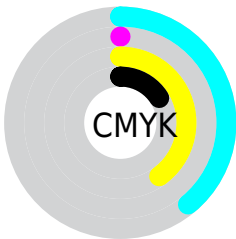
Distribution



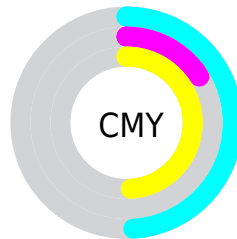
- Red (51%)
- Green (84%)
- Blue (51%)



- Red (51%)
- Yellow (84%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)



- Cyan (49%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6230, 55.0112, 29.4042 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 37.6230, 55.0112, 29.4042 by changing the saturation by 10% instead.

■ 37.6230, 55.0112,
29.4042

■ 37.6230, 55.0112,
29.4042

327.3089,
405.9544, 313.2377

■ 25.8661, 39.4107,
19.1386

■ 70.8376, 97.5574,
59.7685

■ 16.8557, 27.0794,
11.5926

■ 93.0259, 125.2718,
80.7043

■ 10.2263, 17.6328,
6.3478

■ 119.4222,
157.7930, 106.0338

■ 5.6127, 10.6867,
2.9855

150.3916,
195.5054, 136.1758

■ 2.6494, 5.8566,
1.0872

186.2997,
238.7933, 171.5486

■ 0.9712, 2.7581,
0.0000

227.5117,

■ 0.0000, 1.0068,

288.0412, 212.5708

0.0000

274.3929,
343.6334, 259.6610

■ 0.0000, 0.0000,
0.0000

■ 37.6230, 55.0112,
29.4042

■ 37.6230, 55.0112,
29.4042

■ 33.4123, 52.9902,
22.5160

■ 42.7964, 57.4969,
37.9094

■ 30.1011, 51.3988,
17.1389

■ 48.9824, 60.4663,
48.1210

■ 27.6251, 50.2079,
13.1607


■ 56.2325, 63.9457,
60.1263


■ 25.9098, 49.3818,
10.4516

■ 64.5934, 67.9573,
74.0055

■ 24.8675, 48.8787,
8.8579

■ 74.1091, 72.5224,
89.8341

 24.3641, 48.6353,
8.1034

 83.5916, 77.0831,
105.0805

Harmonies

Analogous

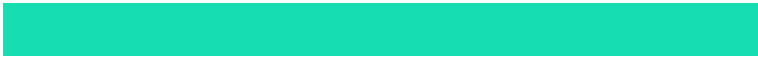
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1477, 55.0112, 19.4441



37.6230, 55.0112, 29.4042



34.1689, 55.0112, 50.8742

Triad

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



37.6230, 55.0112, 29.4042



49.0327, 55.0112, 141.0861



74.4655, 55.0112, 40.9039

Complementary

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



37.6230, 55.0112, 29.4042



47.5592, 34.7547, 68.4946

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.



75.8879, 55.0112, 69.9300



37.6230, 55.0112, 29.4042



60.1408, 55.0112, 135.5004

Square

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



37.6230, 55.0112, 29.4042



40.1261, 55.0112, 119.7496



70.3369, 55.0112, 106.4132



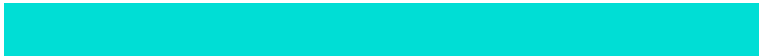
66.6846, 55.0112, 24.2957

Rectangle

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



37.6230, 55.0112, 29.4042



34.2548, 55.0112, 72.0013



70.3369, 55.0112, 106.4132



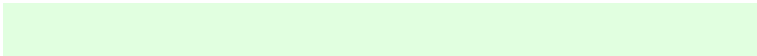
75.7419, 55.0112, 49.2330

Sweetspot

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



37.6244, 55.0135, 29.4054



80.3548, 92.9490, 84.5116



55.5661, 63.1886, 30.0377



16.8880, 19.7456, 17.5733



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.



37.6244, 55.0135, 29.4054



50.0293, 78.3902, 34.5397



40.5295, 56.1401, 46.3035



12.2888, 13.9096, 13.1978



14.5843, 29.0948, 4.8472



0.8893, 1.7598, 0.2928

Inverse Universe

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



47.5592, 34.7547, 68.4946



66.5842, 44.6103, 99.7090



43.6013, 33.2390, 44.6083



12.9232, 12.6173, 15.6918



23.2474, 11.1370, 39.3775



1.4114, 0.6765, 2.3755

Previews

White Background



This preview shows how the XYZ color 37.6230, 55.0112, 29.4042 looks on a white background.

Color Contrast Check

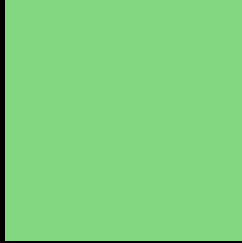
Large Text (above 18pt) WCAG AA × Fail

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 37.6230, 55.0112, 29.4042 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 37.6230, 55.0112, 29.4042

Background



This preview shows how black text looks on a background with the XYZ color 37.6230, 55.0112, 29.4042.



This preview shows how white text looks on a background with the XYZ color 37.6230, 55.0112,

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

37.6230, 55.0112, 29.4042

Protanopia

50.1177, 54.4077, 25.9494

Deuteranopia

55.2816, 54.0512, 30.8118



Tritanopia

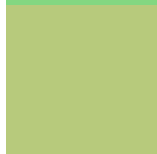
47.0384, 54.7958, 76.5041

Trichromacy



Original Color

37.6230, 55.0112, 29.4042



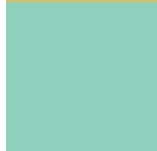
Protanomaly

44.2871, 53.7636, 27.1120



Deuteranomaly

46.7056, 53.2281, 30.0027



Tritanomaly

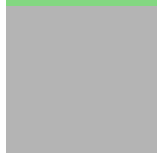
42.7883, 54.4934, 55.8400

Monochromacy



Original Color

37.6230, 55.0112, 29.4042



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.4033, 48.3945, 40.9298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6230, 55.0112, 29.4042 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(131, 215, 129)` looks like.

```
.text, #text, p{  
    color:rgb(131, 215, 129)  
}
```

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(131, 215, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 215, 129) }
```

Border

The CSS property to change the border of an element to XYZ 37.6230, 55.0112, 29.4042 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(131, 215, 129) }
```


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

```
.border{ border-color:rgb(131, 215, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 215, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 215, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 215, 129); box-shadow:4px 4px 4px 4px rgb(131, 215, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6230, 55.0112, 29.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 215, 129) }
```

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

```
.background{ background-color: rgb(131,  
215, 129) }
```

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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