

Converting Colors

XYZ(21.8188, 34.9222, 15.1414)

Have a look what the booklet for
XYZ(21.8188, 34.9222, 15.1414)
contains.

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Color

**XYZ(21.8538, 34.9877,
15.0527)**

Conversions

Conversions Part 1

Format	Color
Hex	57B359
RGB	87, 179, 89
RGB Percent	34%, 70%, 35%
CMY	0.6588, 0.2980, 0.6510
CMYK	0.51, 0.00, 0.50, 0.30
HSL	121°, 38%, 52%
HSV	121°, 51%, 70%
XYZ	21.8538, 34.9877, 15.0527
YIQ	141.2320, -25.9420, -47.4940

Conversions

Conversions Part 2

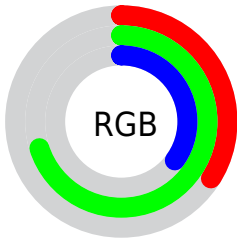
Format	Color
RYB	87, 177, 179
Decimal	5747545
CIELab	65.74, -46.01, 37.51
CIELCh	66, 59.366, 140.807
Yxy	34.9877, 0.3040, 0.4867
Android (android.graphics.Color)	4283937625 (0xFF57B359)
YUV	141.2320, -25.7504, -47.5615
Hunter-Lab	59.1504, -37.5643, 26.3171

Details

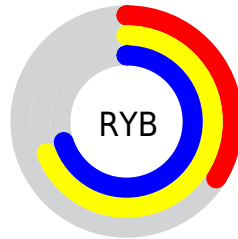
The XYZ color **21.8538, 34.9877, 15.0527** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.9355, 19.5751, 43.7967**, and the grayscale version is **25.5146, 26.8433, 29.2324**.

A 20% lighter version of the original color is **46.1309, 67.7536, 35.8457**, and **8.0700, 15.0026, 4.4779** is the 20% darker color. If you saturate the color by 10%, you get **19.7354, 33.9717, 11.5613**, and if you desaturate by 10%, it is **24.5632, 36.2902, 19.4862**.

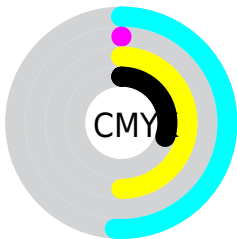
Distribution



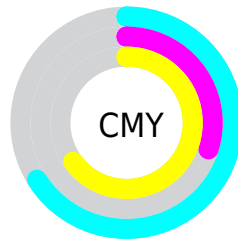
- Red (34%)
- Green (70%)
- Blue (35%)



- Red (34%)
- Yellow (69%)
- Blue (70%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)



- Cyan (66%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8538, 34.9877, 15.0527 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 21.8538, 34.9877, 15.0527 by changing the saturation by 10% instead.

■ 21.8538, 34.9877,
15.0527

■ 21.8538, 34.9877,
15.0527

254.4286,
324.5140, 235.3367

■ 13.8655, 23.6534,
8.7093

■ 45.9849, 67.4667,
35.6892

■ 8.1083, 15.0767,
4.4579

■ 62.8584, 89.3802,
50.8195

■ 4.2167, 8.8732,
1.8797

■ 83.4244, 115.5889,
69.7157

■ 1.8254, 4.6586,
0.4798

■ 108.0482,
146.4772, 92.7966

■ 0.5329, 2.0484,
0.0000

137.0951,
182.4294, 120.4806

■ 0.0000, 0.6354,
0.0000

170.9306,

■ 0.0000, 0.0000,

223.8301, 153.1863

0.0000

209.9200,
271.0635, 191.3321

■ 21.8538, 34.9877,
15.0527

■ 21.8538, 34.9877,
15.0527

■ 19.7354, 33.9717,
11.5613

■ 24.5632, 36.2902,
19.4862

■ 18.1615, 33.2167,
8.9419

■ 27.9005, 37.8938,
24.9206

■ 17.0833, 32.7001,
7.1183

■ 31.9024, 39.8173,
31.4128

■ 16.4415, 32.3934,
6.0002

■ 36.6022, 42.0767,
39.0145

■ 16.1421, 32.2501,
5.4859

■ 42.0310, 44.6871,
47.7743

■ 48.2179, 47.6625,
57.7376

■ 55.1905, 51.0160,
68.9478

■ 62.9749, 54.7605,
81.4456

■ 71.5962, 58.9079,
95.2703

Harmonies

Analogous

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



27.6336, 34.9877, 8.4876



21.8538, 34.9877, 15.0527



19.2677, 34.9877, 30.9107

Triad

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



21.8538, 34.9877, 15.0527



30.6409, 34.9877, 108.1219



51.5735, 34.9877, 23.4254

Complementary

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



21.8538, 34.9877, 15.0527



29.9355, 19.5751, 43.7967

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.



52.7622, 34.9877, 46.3158



21.8538, 34.9877, 15.0527



39.5907, 34.9877, 103.1454

Square

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



21.8538, 34.9877, 15.0527



23.7229, 34.9877, 88.9148



48.0585, 34.9877, 77.3355



45.0488, 34.9877, 11.6395

Rectangle

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



21.8538, 34.9877, 15.0527



19.3249, 34.9877, 47.8547



48.0585, 34.9877, 77.3355



52.6503, 34.9877, 29.7627

Sweetspot

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



21.8547, 34.9892, 15.0535



62.1532, 73.7217, 64.3797



36.0798, 42.3321, 15.2864



13.3809, 16.1460, 13.6340



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8547, 34.9892, 15.0535



34.8138, 60.5855, 19.8267



24.3919, 36.0041, 28.4146



8.3962, 9.4930, 9.0802



11.4095, 22.7898, 3.8931



0.3615, 0.7180, 0.1355

Inverse Universe

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



29.9355, 19.5751, 43.7967



50.9311, 29.8258, 77.1432



26.1281, 18.0522, 23.7471



8.8419, 8.6435, 10.6658



18.6155, 8.9638, 29.4649



0.5882, 0.2830, 0.9402

Previews

White Background



This preview shows how the XYZ color 21.8538, 34.9877, 15.0527 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 21.8538, 34.9877, 15.0527 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 21.8538, 34.9877, 15.0527

Background



This preview shows how black text looks on a background with the XYZ color 21.8538, 34.9877, 15.0527.



This preview shows how white text looks on a background with the XYZ color 21.8538, 34.9877,

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

21.8538, 34.9877, 15.0527

Protanopia

31.6003, 34.5194, 12.9800

Deuteranopia

34.9162, 34.1842, 15.8243



Tritanopia

28.8158, 34.9415, 49.4816

Trichromacy



Original Color

21.8538, 34.9877, 15.0527

Protanomaly

26.6036, 33.7680, 13.7100

Deuteranomaly

28.0471, 33.1501, 15.2763

Tritanomaly

25.5444, 34.7346, 33.3751

Monochromacy



Original Color

21.8538, 34.9877, 15.0527

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.1194, 28.9128, 22.7746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8538, 34.9877, 15.0527 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(87, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(87, 179, 89)  
}
```

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(87, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 179, 89) }
```

Border

The CSS property to change the border of an element to XYZ 21.8538, 34.9877, 15.0527 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(87, 179, 89) }
```


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

```
.border{ border-color:rgb(87, 179, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(87, 179,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8538, 34.9877, 15.0527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 179, 89) }
```

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

```
.background{ background-color: rgb(87, 179,  
89) }
```

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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