

Converting Colors

XYZ(21.8409, 36.5939, 10.9132)

Have a look what the booklet for
XYZ(21.8409, 36.5939, 10.9132)
contains.

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Color

**XYZ(21.8409, 36.5939,
10.9132)**

Conversions

Conversions Part 1

Format	Color
Hex	55B841
RGB	85, 184, 65
RGB Percent	33%, 72%, 25%
CMY	0.6667, 0.2784, 0.7451
CMYK	0.54, 0.00, 0.65, 0.28
HSL	110°, 48%, 49%
HSV	110°, 65%, 72%
XYZ	21.8409, 36.5939, 10.9132
YIQ	140.8330, -20.8050, -57.9970

Conversions

Conversions Part 2

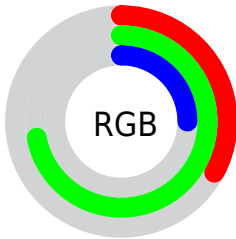
Format	Color
RYB	65, 184, 164
Decimal	5617729
CIELab	66.97, -51.38, 50.15
CIELCh	67, 71.800, 135.694
Yxy	36.5939, 0.3149, 0.5277
Android (android.graphics.Color)	4283807809 (0xFF55B841)
YUV	140.8330, -37.3857, -48.9655
Hunter-Lab	60.4929, -41.4153, 31.6488

Details

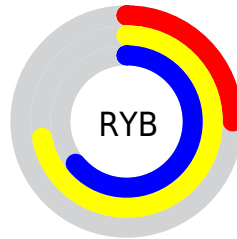
The XYZ color **21.8409, 36.5939, 10.9132** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.8539, 15.1351, 46.9081**, and the grayscale version is **25.4005, 26.7233, 29.1016**.

A 20% lighter version of the original color is **46.0530, 70.0582, 28.2349**, and **8.1188, 16.0342, 2.7244** is the 20% darker color. If you saturate the color by 10%, you get **20.1499, 35.7752, 8.4908**, and if you desaturate by 10%, it is **24.0079, 37.6402, 14.2656**.

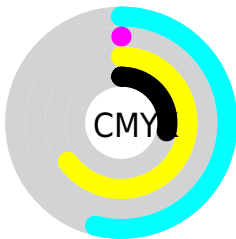
Distribution



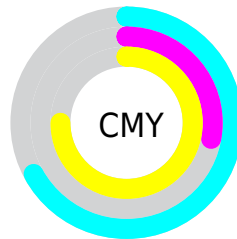
- Red (33%)
- Green (72%)
- Blue (25%)



- Red (25%)
- Yellow (72%)
- Blue (64%)



- Cyan (54%)
- Magenta (0%)
- Yellow (65%)
- Black (28%)





- Cyan (67%)
- Magenta (28%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8409, 36.5939, 10.9132 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 21.8409, 36.5939, 10.9132 by changing the saturation by 10% instead.


 21.8409, 36.5939,
10.9132


 21.8409, 36.5939,
10.9132

254.3623,
331.5490, 207.7871


 13.8560, 24.8932,
5.8951


 45.9637, 69.9478,
28.1337

 8.1016, 15.9975,
2.7136


 62.8323, 92.3697,
41.1732


 4.2124, 9.5224,
0.9503


 83.3929, 119.1343,
57.7236

 1.8230, 5.0835,
0.0000

 108.0107,
150.6257, 78.2033

 0.5315, 2.2963,
0.0000

 137.0513,
187.2285, 103.0310

 0.0000, 0.7718,
0.0000

170.8798,

 0.0000, 0.0000,

229.3271, 132.6252

0.0000

209.8617,
277.3058, 167.4043

■ 21.8409, 36.5939,
10.9132

■ 21.8409, 36.5939,
10.9132

■ 20.1499, 35.7752,
8.4908

■ 24.0079, 37.6402,
14.2656

■ 18.8952, 35.1622,
6.9025

■ 26.6814, 38.9247,
18.6265

■ 18.0345, 34.7367,
6.0358

■ 29.8923, 40.4628,
24.0691

■ 17.7039, 34.5725,
5.7401

■ 33.6682, 42.2674,
30.6590

■ 38.0349, 44.3505,
38.4565

■ 43.0164, 46.7231,
47.5179

■ 48.6355, 49.3960,
57.8958

■ 54.9138, 52.3792,
69.6399

■ 61.8719, 55.6822,
82.7972

Harmonies

Analogous

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



29.4170, 36.5939, 5.4998



21.8409, 36.5939, 10.9132



18.1754, 36.5939, 26.7824

Triad

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



21.8409, 36.5939, 10.9132



29.8576, 36.5939, 130.8356



59.0980, 36.5939, 25.7195

Complementary

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



21.8409, 36.5939, 10.9132



25.8539, 15.1351, 46.9081

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.



59.2852, 36.5939, 56.5838



21.8409, 36.5939, 10.9132



40.7613, 36.5939, 130.0063

Square

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



21.8409, 36.5939, 10.9132



22.1051, 36.5939, 100.0449



52.0295, 36.5939, 98.1582



51.5615, 36.5939, 10.4854

Rectangle

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



21.8409, 36.5939, 10.9132



17.8233, 36.5939, 46.0984



52.0295, 36.5939, 98.1582



60.0681, 36.5939, 34.1835

Sweetspot

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



21.8418, 36.5954, 10.9140



65.1328, 78.5758, 62.8652



33.6755, 36.4790, 10.2678



13.5635, 16.7114, 12.7013



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.8418, 36.5954, 10.9140



35.3780, 64.2901, 13.8808



21.7539, 36.3794, 18.6251



9.0273, 10.1307, 9.5865



12.2426, 23.8476, 3.9578



0.4754, 0.8633, 0.1416

Inverse Universe

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



25.8539, 15.1351, 46.9081



43.0367, 22.2464, 84.2303



26.8718, 16.0571, 29.0079



9.2288, 9.0843, 11.3465



15.0787, 7.0845, 31.8258



0.5713, 0.2702, 1.1238

Previews

White Background



This preview shows how the XYZ color 21.8409, 36.5939, 10.9132 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 21.8409, 36.5939, 10.9132 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 21.8409, 36.5939, 10.9132

Background



This preview shows how black text looks on a background with the XYZ color 21.8409, 36.5939, 10.9132.



This preview shows how white text looks on a background with the XYZ color 21.8409, 36.5939,

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

21.8409, 36.5939, 10.9132

Protanopia

32.7658, 35.9802, 9.3556

Deuteranopia

36.6110, 35.8850, 11.4754



Tritanopia

29.9221, 36.3014, 51.8842

Trichromacy



Original Color

21.8409, 36.5939, 10.9132



Protanomaly

27.0711, 35.1974, 9.7819



Deuteranomaly

28.6930, 34.6343, 11.1340



Tritanomaly

25.6633, 35.7130, 31.1319

Monochromacy



Original Color

21.8409, 36.5939, 10.9132



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.9228, 29.3711, 20.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8409, 36.5939, 10.9132 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(85, 184, 65)` looks like.

```
.text, #text, p{  
    color:rgb(85, 184, 65)  
}
```

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(85, 184, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 184, 65) }
```

Border

The CSS property to change the border of an element to XYZ 21.8409, 36.5939, 10.9132 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(85, 184, 65) }
```


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

```
.border{ border-color:rgb(85, 184, 65) }
```

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

Here you see how a box with a 4 pixel rgb(85, 184, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 184, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 184, 65);  
box-shadow:4px 4px 4px 4px rgb(85, 184,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8409, 36.5939, 10.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 184, 65) }
```

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

```
.background{ background-color: rgb(85, 184,  
65) }
```

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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