

Converting Colors

XYZ(36.2556, 45.1556, 20.0488)

Have a look what the booklet for
XYZ(36.2556, 45.1556, 20.0488)
contains.

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Color

**XYZ(36.2589, 45.0934,
20.1574)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BC69
RGB	166, 188, 105
RGB Percent	65%, 74%, 41%
CMY	0.3490, 0.2627, 0.5882
CMYK	0.12, 0.00, 0.44, 0.26
HSL	76°, 38%, 57%
HSV	76°, 44%, 74%
XYZ	36.2589, 45.0934, 20.1574
YIQ	171.9600, 13.5310, -30.4770

Conversions

Conversions Part 2

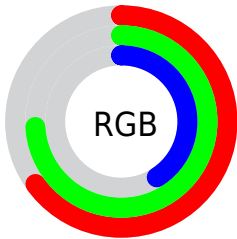
Format	Color
RYB	105, 188, 127
Decimal	10927209
CIELab	72.95, -20.79, 39.38
CIELCh	73, 44.532, 117.832
Yxy	45.0934, 0.3572, 0.4442
Android (android.graphics.Color)	4289117289 (0xFFA6BC69)
YUV	171.9600, -33.0113, -5.2269
Hunter-Lab	67.1516, -21.1332, 29.2086

Details

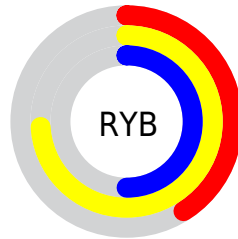
The XYZ color **36.2589, 45.0934, 20.1574** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.8828, 18.2472, 49.8956**, and the grayscale version is **39.3504, 41.3997, 45.0843**.

A 20% lighter version of the original color is **68.6464, 82.6996, 44.6923**, and **16.0357, 21.0485, 6.8320** is the 20% darker color. If you saturate the color by 10%, you get **34.3732, 44.2223, 15.5709**, and if you desaturate by 10%, it is **38.4010, 46.0749, 25.8728**.

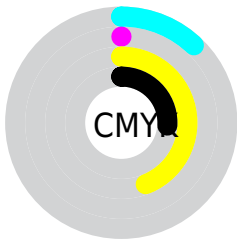
Distribution



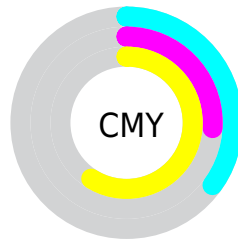
- Red (65%)
- Green (74%)
- Blue (41%)



- Red (41%)
- Yellow (74%)
- Blue (50%)



- Cyan (12%)
- Magenta (0%)
- Yellow (44%)
- Black (26%)



- Cyan (35%)
- Magenta (26%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2589, 45.0934, 20.1574 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 36.2589, 45.0934, 20.1574 by changing the saturation by 10% instead.

36.2589, 45.0934,
20.1574

36.2589, 45.0934,
20.1574

321.5023,
367.1517, 265.3983

24.8053, 31.5310,
12.3243

68.7527, 82.8606,
44.5434

16.0600, 21.0035,
6.8397

90.5237, 107.8341,
61.9333

9.6577, 13.1266,
3.2851

116.4644,
137.3801, 83.3459

5.2331, 7.5158,
1.2420

146.9402,
171.8831, 109.1998

2.4208, 3.7867,
0.0135

182.3166,
211.7273, 139.9134

0.8555, 1.5550,
0.0000

222.9588,

0.0000, 0.3270,

257.2972, 175.9053

0.0000

269.2322,
308.9772, 217.5941

■ 0.0000, 0.0000,
0.0000

■ 36.2589, 45.0934,
20.1574

■ 36.2589, 45.0934,
20.1574

■ 34.3732, 44.2223,
15.5709

■ 38.4010, 46.0749,
25.8728

■ 32.7258, 43.4496,
12.0353

■ 40.8095, 47.1660,
32.7823

■ 31.3015, 42.7707,
9.4676


■ 43.4978, 48.3740,
40.9496


■ 30.0813, 42.1780,
7.7707


■ 46.4776, 49.7033,
50.4331


■ 29.0426, 41.6623,
6.8275


■ 49.7595, 51.1583,
61.2875

 28.4924, 41.3856,
6.4865

 53.3539, 52.7433,
73.5644

 57.2703, 54.4620,
87.3126

 61.4527, 56.2922,
102.2343

 62.8575, 57.0163,
102.3001

Harmonies

Analogous

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



43.4275, 45.0934, 17.5616



36.2589, 45.0934, 20.1574



31.4207, 45.0934, 29.6669

Triad

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



36.2589, 45.0934, 20.1574



35.3905, 45.0934, 94.9305



59.5822, 45.0934, 50.7352

Complementary

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



36.2589, 45.0934, 20.1574



22.8828, 18.2472, 49.8956

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.



56.7849, 45.0934, 75.5716



36.2589, 45.0934, 20.1574



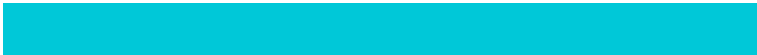
42.2974, 45.0934, 105.4384

Square

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



36.2589, 45.0934, 20.1574



30.9635, 45.0934, 71.8963



50.2171, 45.0934, 97.4643



57.4692, 45.0934, 31.7156

Rectangle

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



36.2589, 45.0934, 20.1574



29.8563, 45.0934, 40.6243



50.2171, 45.0934, 97.4643



59.1785, 45.0934, 58.6773

Sweetspot

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



36.2600, 45.0954, 20.1584



79.3119, 87.8818, 75.7175



30.7194, 26.5705, 16.8747



16.8118, 18.7894, 15.5242



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.2600, 45.0954, 20.1584



62.3830, 80.1839, 28.4257



29.1019, 41.4053, 19.8234



10.0687, 10.9899, 10.1672



19.4711, 28.2136, 4.4195



0.8213, 1.1354, 0.1759

Inverse Universe

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



22.8828, 18.2472, 49.8956



35.0652, 25.2868, 89.2589



30.1195, 21.9778, 50.2343



9.2474, 9.3444, 11.9885



7.1315, 2.9625, 32.5888



0.3436, 0.1492, 1.2795

Previews

White Background



This preview shows how the XYZ color 36.2589, 45.0934, 20.1574 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 36.2589, 45.0934, 20.1574 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 36.2589, 45.0934, 20.1574

Background



This preview shows how black text looks on a background with the XYZ color 36.2589, 45.0934, 20.1574.



This preview shows how white text looks on a background with the XYZ color 36.2589, 45.0934,

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

36.2589, 45.0934, 20.1574

Protanopia

41.2833, 44.9353, 19.0679

Deuteranopia

45.6421, 44.8289, 20.7152



Tritanopia

43.5663, 44.9937, 56.2576

Trichromacy



Original Color

36.2589, 45.0934, 20.1574

Protanomaly

39.1837, 44.7495, 19.4043

Deuteranomaly

41.7176, 44.5328, 20.5843

Tritanomaly

40.3067, 44.8782, 39.7957

Monochromacy



Original Color

36.2589, 45.0934, 20.1574

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8433, 42.5250, 34.2306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2589, 45.0934, 20.1574 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(166, 188, 105)` looks like.

```
.text, #text, p{  
    color:rgb(166, 188, 105)  
}
```

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(166, 188, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 188, 105) }
```

Border

The CSS property to change the border of an element to XYZ 36.2589, 45.0934, 20.1574 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(166, 188, 105) }
```


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

```
.border{ border-color:rgb(166, 188, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 188, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 188, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 188, 105);  
box-shadow:4px 4px 4px 4px rgb(166, 188,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2589, 45.0934, 20.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 188, 105) }
```

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

```
.background{ background-color: rgb(166,  
188, 105) }
```

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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