

Converting Colors

XYZ(36.4349, 46.0643, 24.5118)

Have a look what the booklet for
XYZ(36.4349, 46.0643, 24.5118)
contains.

XYZ(36.4578, 46.0671, 24.4231)	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(36.4578, 46.0671,
24.4231)**

Conversions

Conversions Part 1

Format	Color
Hex	A0BF77
RGB	160, 191, 119
RGB Percent	63%, 75%, 47%
CMY	0.3725, 0.2510, 0.5333
CMYK	0.16, 0.00, 0.38, 0.25
HSL	86°, 36%, 61%
HSV	86°, 38%, 75%
XYZ	36.4578, 46.0671, 24.4231
YIQ	173.5230, 4.6360, -28.9640

Conversions

Conversions Part 2

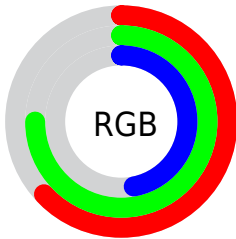
Format	Color
RYB	119, 191, 150
Decimal	10534775
CIELab	73.59, -22.87, 32.95
CIELCh	74, 40.105, 124.767
Yxy	46.0671, 0.3409, 0.4307
Android (android.graphics.Color)	4288724855 (0xFFA0BF77)
YUV	173.5230, -26.8798, -11.8597
Hunter-Lab	67.8727, -22.8962, 26.1762

Details

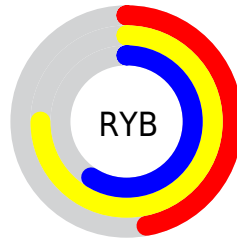
The XYZ color **36.4578, 46.0671, 24.4231** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.5804, 23.4406, 52.3109**, and the grayscale version is **40.1202, 42.2096, 45.9663**.

A 20% lighter version of the original color is **69.0261, 84.0990, 51.6244**, and **16.0832, 21.4468, 8.9222** is the 20% darker color. If you saturate the color by 10%, you get **33.8342, 44.8355, 18.9025**, and if you desaturate by 10%, it is **39.4230, 47.4510, 31.1649**.

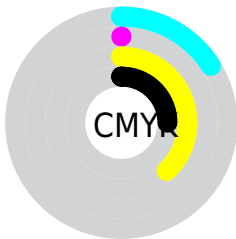
Distribution



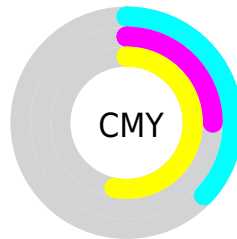
- Red (63%)
- Green (75%)
- Blue (47%)



- Red (47%)
- Yellow (75%)
- Blue (59%)



- Cyan (16%)
- Magenta (0%)
- Yellow (38%)
- Black (25%)



- Cyan (37%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4578, 46.0671, 24.4231 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 36.4578, 46.0671, 24.4231 by changing the saturation by 10% instead.

■ 36.4578, 46.0671,
24.4231

■ 36.4578, 46.0671,
24.4231

322.3535,
371.0783, 288.3078

■ 24.9597, 32.2988,
15.4327

■ 69.0573, 84.3194,
51.6722

■ 16.1756, 21.5898,
8.9736

■ 90.8895, 109.5722,
70.7680

■ 9.7401, 13.5558,
4.6274

■ 116.8971,
139.4219, 94.0693

■ 5.2879, 7.8124,
1.9755

147.4454,
174.2529, 121.9947

■ 2.4537, 3.9751,
0.5401

182.8999,
214.4497, 154.9627

■ 0.8720, 1.6597,
0.0000

223.6258,

■ 0.0000, 0.3973,

260.3966, 193.3918

0.0000

269.9886,
312.4780, 237.7007

■ 0.0000, 0.0000,
0.0000

■ 36.4578, 46.0671,
24.4231

■ 36.4578, 46.0671,
24.4231

■ 33.8342, 44.8355,
18.9025

■ 39.4230, 47.4510,
31.1649

■ 31.5329, 43.7436,
14.5270

■ 42.7413, 48.9874,
39.1921

■ 29.5374, 42.7861,
11.2163


■ 46.4274, 50.6840,
48.5679


■ 27.8281, 41.9549,
8.8787


■ 50.4944, 52.5461,
59.3506


■ 26.3824, 41.2407,
7.4069

■ 54.9545, 54.5790,
71.5950


 25.1678, 40.6302,
6.6423

 59.8194, 56.7875,
85.3529

 24.9087, 40.4994,
6.5043

 65.1003, 59.1763,
100.6735

 67.9823, 60.6195,
102.7254

 70.6207, 61.9797,
102.8489

Harmonies

Analogous

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



42.6615, 46.0671, 20.4298



36.4578, 46.0671, 24.4231



32.5681, 46.0671, 35.2793

Triad

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



36.4578, 46.0671, 24.4231



38.2235, 46.0671, 94.4512



58.8357, 46.0671, 46.9820

Complementary

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



36.4578, 46.0671, 24.4231



28.5804, 23.4406, 52.3109

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.



57.3213, 46.0671, 68.7262



36.4578, 46.0671, 24.4231



44.9289, 46.0671, 100.0365

Square

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



36.4578, 46.0671, 24.4231



33.5077, 46.0671, 75.8996



52.0344, 46.0671, 89.5862



55.9753, 46.0671, 31.0159

Rectangle

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



36.4578, 46.0671, 24.4231



31.5568, 46.0671, 46.6795



52.0344, 46.0671, 89.5862



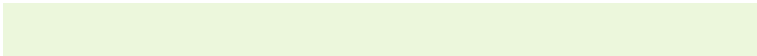
58.8240, 46.0671, 53.8077

Sweetspot

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



36.4590, 46.0691, 24.4241



80.7756, 89.6809, 80.8613



35.5648, 33.9048, 22.1233



17.5370, 19.6008, 17.2443



92.9021, 97.7402, 106.4391



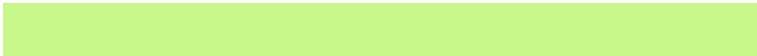
19.4759, 20.4902, 22.3138

Same Dimension

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



36.4590, 46.0691, 24.4241



61.4800, 80.7144, 35.6475



30.4195, 42.9557, 24.1414



9.9147, 10.9104, 10.1600



16.4626, 26.6626, 4.2787



0.7184, 1.0823, 0.1710

Inverse Universe

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



28.5804, 23.4406, 52.3109



45.4130, 34.5441, 92.5533



36.0102, 27.2708, 52.6586



9.3956, 9.4208, 11.9954



8.5695, 3.7038, 32.6561



0.4107, 0.1837, 1.2827

Previews

White Background



This preview shows how the XYZ color 36.4578, 46.0671, 24.4231 looks on a white background.

Color Contrast Check

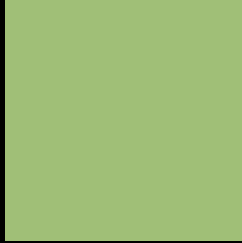
Large Text (above 18pt) WCAG AA × Fail

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 36.4578, 46.0671, 24.4231 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 36.4578, 46.0671, 24.4231

Background



This preview shows how black text looks on a background with the XYZ color 36.4578, 46.0671, 24.4231.



This preview shows how white text looks on a background with the XYZ color 36.4578, 46.0671,

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

36.4578, 46.0671, 24.4231

Protanopia

42.1807, 45.6161, 22.8013

Deuteranopia

46.8376, 45.9161, 25.1330



Tritanopia

43.4863, 46.0993, 58.8306

Trichromacy



Original Color

36.4578, 46.0671, 24.4231

Protanomaly

39.8213, 45.6092, 23.2276

Deuteranomaly

42.5991, 45.7834, 25.0042

Tritanomaly

40.3532, 45.7406, 43.7478

Monochromacy



Original Color

36.4578, 46.0671, 24.4231

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.5162, 43.4106, 36.9209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4578, 46.0671, 24.4231 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(160, 191, 119)` looks like.

```
.text, #text, p{  
    color:rgb(160, 191, 119)  
}
```

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(160, 191, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 191, 119) }
```

Border

The CSS property to change the border of an element to XYZ 36.4578, 46.0671, 24.4231 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(160, 191, 119) }
```


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

```
.border{ border-color:rgb(160, 191, 119) }
```

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

Here you see how a box with a 4 pixel rgb(160, 191, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 191, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 191, 119);  
box-shadow:4px 4px 4px 4px rgb(160, 191,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4578, 46.0671, 24.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 191, 119) }
```

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

```
.background{ background-color: rgb(160,  
191, 119) }
```

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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