

Converting Colors

XYZ(24.5950, 35.9589, 19.6734)

Have a look what the booklet for
XYZ(24.5950, 35.9589, 19.6734)
contains.

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Color

**XYZ(24.6376, 36.0281,
19.5655)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB26B
RGB	107, 178, 107
RGB Percent	42%, 70%, 42%
CMY	0.5804, 0.3019, 0.5804
CMYK	0.40, 0.00, 0.40, 0.30
HSL	120°, 32%, 56%
HSV	120°, 40%, 70%
XYZ	24.6376, 36.0281, 19.5655
YIQ	148.6770, -19.5250, -37.1330

Conversions

Conversions Part 2

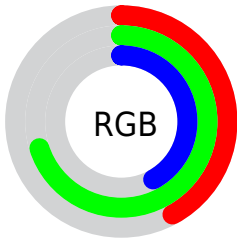
Format	Color
RYB	107, 178, 178
Decimal	7058027
CIELab	66.54, -36.98, 29.45
CIElCh	67, 47.274, 141.463
Yxy	36.0281, 0.3071, 0.4491
Android (android.graphics.Color)	4285248107 (0xFF6BB26B)
YUV	148.6770, -20.5468, -36.5507
Hunter-Lab	60.0234, -31.7727, 22.6900

Details

The XYZ color **24.6376, 36.0281, 19.5655** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.6547, 23.1953, 44.9293**, and the grayscale version is **28.5215, 30.0068, 32.6774**.

A 20% lighter version of the original color is **50.3788, 68.9259, 43.4497**, and **9.6187, 15.7570, 6.5374** is the 20% darker color. If you saturate the color by 10%, you get **21.8718, 34.7006, 15.0409**, and if you desaturate by 10%, it is **28.0385, 37.6628, 25.1276**.

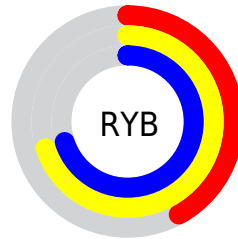
Distribution



Red (42%)

Green (70%)

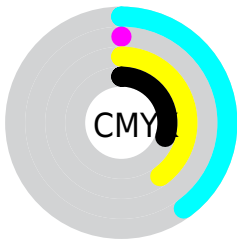
Blue (42%)



Red (42%)

Yellow (70%)

Blue (70%)

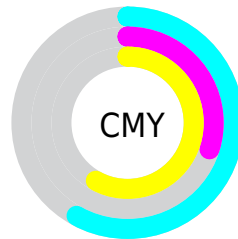


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (30%)



Cyan (58%)

Magenta (30%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6376, 36.0281, 19.5655 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 24.6376, 36.0281, 19.5655 by changing the saturation by 10% instead.

■ 24.6376, 36.0281,
19.5655

■ 24.6376, 36.0281,
19.5655

268.4094,
329.0833, 262.0791

■ 15.9346, 24.4559,
11.8987

■ 50.5158, 69.0754,
43.5369

■ 9.5684, 15.6722,
6.5530

■ 68.4217, 91.3194,
60.6785

■ 5.1738, 9.2925,
3.1100

■ 90.1259, 117.8893,
81.8154

■ 2.3854, 4.9324,
1.1511

■ 115.9938,
149.1697, 107.3662

■ 0.8378, 2.2077,
0.0000

146.3908,
185.5449, 137.7495

■ 0.0000, 0.7242,
0.0000

181.6821,

■ 0.0000, 0.0000,

227.3993, 173.3836

0.0000

222.2332,
275.1173, 214.6873

■ 24.6376, 36.0281,
19.5655

■ 24.6376, 36.0281,
19.5655

■ 21.8718, 34.7006,
15.0409

■ 28.0385, 37.6628,
25.1276

■ 19.6993, 33.6571,
11.4873

■ 32.1077, 39.6174,
31.7835

■ 18.0776, 32.8781,
8.8346


■ 36.8791, 41.9094,
39.5879


■ 16.9571, 32.3398,
7.0018


■ 42.3837, 44.5536,
48.5917


■ 16.2797, 32.0145,
5.8937

■ 48.6506, 47.5639,
58.8422


 15.9247, 31.8439,
5.3130

 55.7074, 50.9536,
70.3846

 15.9211, 31.8422,
5.3071

 63.5800, 54.7352,
83.2616

 72.2936, 58.9208,
97.5139

 75.2111, 60.3222,
102.2870

Harmonies

Analogous

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



29.4879, 36.0281, 12.9346



24.6376, 36.0281, 19.5655



22.4407, 36.0281, 33.7067

Triad

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



24.6376, 36.0281, 19.5655



32.2570, 36.0281, 91.9794



48.5830, 36.0281, 26.5924

Complementary

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



24.6376, 36.0281, 19.5655



31.6547, 23.1953, 44.9293

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.



49.5941, 36.0281, 45.3226



24.6376, 36.0281, 19.5655



39.4851, 36.0281, 88.0174

Square

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



24.6376, 36.0281, 19.5655



26.4239, 36.0281, 78.4413



46.0692, 36.0281, 68.9727



43.4714, 36.0281, 15.9068

Rectangle

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



24.6376, 36.0281, 19.5655



22.5322, 36.0281, 47.5219



46.0692, 36.0281, 68.9727



49.4394, 36.0281, 31.9608

Sweetspot

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



24.6385, 36.0296, 19.5663



64.7521, 74.9771, 68.3147



36.9359, 42.3692, 20.1414



14.0925, 16.4895, 14.7207



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.



24.6385, 36.0296, 19.5663



40.1400, 63.1546, 28.0572



26.9048, 36.9361, 31.5006



8.3890, 9.4901, 9.0422



11.3913, 22.7825, 3.7972



0.3584, 0.7168, 0.1195

Inverse Universe

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



31.6547, 23.1953, 44.9293



54.6640, 36.5868, 80.5602



28.5389, 21.9490, 28.5217



8.8501, 8.6467, 10.7088



18.8864, 9.0721, 30.8912



0.5942, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 24.6376, 36.0281, 19.5655 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 24.6376, 36.0281, 19.5655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

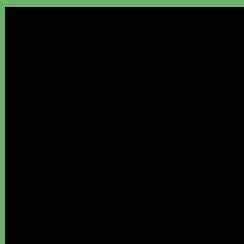
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6376, 36.0281, 19.5655

Background



This preview shows how black text looks on a background with the XYZ color 24.6376, 36.0281, 19.5655.



This preview shows how white text looks on a background with the XYZ color 24.6376, 36.0281,

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

24.6376, 36.0281, 19.5655

Protanopia

32.9496, 35.6399, 17.1992

Deuteranopia

36.2185, 35.4875, 20.2701



Tritanopia

30.7612, 35.9324, 50.1141

Trichromacy



Original Color

24.6376, 36.0281, 19.5655

Protanomaly

29.0294, 35.1960, 18.0955

Deuteranomaly

30.6096, 34.8972, 19.8744

Tritanomaly

28.0050, 35.6535, 36.4161

Monochromacy



Original Color

24.6376, 36.0281, 19.5655

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

26.7054, 31.9312, 27.3101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6376, 36.0281, 19.5655 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(107, 178, 107)` looks like.

```
.text, #text, p{  
    color:rgb(107, 178, 107)  
}
```

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(107, 178, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 178, 107) }
```

Border

The CSS property to change the border of an element to XYZ 24.6376, 36.0281, 19.5655 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(107, 178, 107) }
```


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

```
.border{ border-color:rgb(107, 178, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 178, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 178, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 178, 107);  
box-shadow:4px 4px 4px 4px rgb(107, 178,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6376, 36.0281, 19.5655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 178, 107) }
```

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

```
.background{ background-color: rgb(107,  
178, 107) }
```

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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