

Converting Colors

XYZ(24.8960, 36.3241, 20.2418)

Have a look what the booklet for
XYZ(24.8960, 36.3241, 20.2418)
contains.

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Color

**XYZ(24.9438, 36.4701,
20.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB36D
RGB	107, 179, 109
RGB Percent	42%, 70%, 43%
CMY	0.5804, 0.2980, 0.5725
CMYK	0.40, 0.00, 0.39, 0.30
HSL	122°, 32%, 56%
HSV	122°, 40%, 70%
XYZ	24.9438, 36.4701, 20.1928
YIQ	149.4920, -20.4420, -37.0340

Conversions

Conversions Part 2

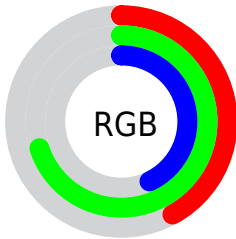
Format	Color
RYB	107, 177, 179
Decimal	7058285
CIELab	66.88, -37.11, 28.84
CIElCh	67, 47.000, 142.150
Yxy	36.4701, 0.3057, 0.4469
Android (android.graphics.Color)	4285248365 (0xFF6BB36D)
YUV	149.4920, -19.9626, -37.2655
Hunter-Lab	60.3905, -31.9554, 22.4485

Details

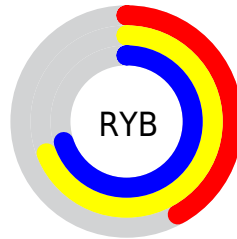
The XYZ color **24.9438, 36.4701, 20.1928** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.7850, 23.2741, 44.4131**, and the grayscale version is **28.8630, 30.3661, 33.0687**.

A 20% lighter version of the original color is **50.8393, 69.5669, 44.4665**, and **9.7978, 16.0322, 6.8531** is the 20% darker color. If you saturate the color by 10%, you get **22.1646, 35.1362, 15.6474**, and if you desaturate by 10%, it is **28.3559, 38.1110, 25.7376**.

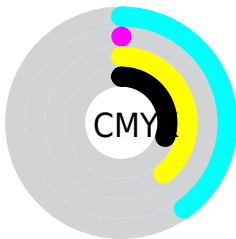
Distribution



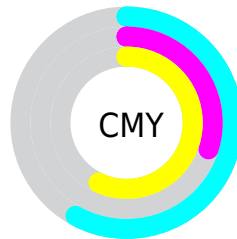
- Red (42%)
- Green (70%)
- Blue (43%)



- Red (42%)
- Yellow (69%)
- Blue (70%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (30%)





- Cyan (58%)
- Magenta (30%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9438, 36.4701, 20.1928 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 24.9438, 36.4701, 20.1928 by changing the saturation by 10% instead.


 24.9438, 36.4701,
20.1928


 24.9438, 36.4701,
20.1928


269.9108,
331.0106, 265.5956


 16.1637, 24.7975,
12.3498


 51.0096, 69.7570,
44.6034


 9.7316, 15.9262,
6.8570


 69.0260, 92.1401,
62.0081

 5.2823, 9.4720,
3.2957


 90.8518, 118.8622,
83.4371

 2.4503, 5.0503,
1.2475

 116.8525,
150.3076, 109.3089

 0.8703, 2.2768,
0.0182

147.3934,
186.8608, 140.0422

 0.0000, 0.7614,
0.0000

182.8399,

 0.0000, 0.0000,

228.9061, 176.0553

0.0000

223.5572,
276.8279, 217.7670

■ 24.9438, 36.4701,
20.1928

■ 24.9438, 36.4701,
20.1928

■ 22.1646, 35.1362,
15.6474

■ 28.3559, 38.1110,
25.7376

■ 19.9767, 34.0859,
12.0397

■ 32.4335, 40.0713,
32.3337

■ 18.3382, 33.3000,
9.3050


■ 37.2103, 42.3684,
40.0323


■ 17.2003, 32.7551,
7.3694


■ 42.7170, 45.0170,
48.8807


■ 16.5057, 32.4233,
6.1469


■ 48.9823, 48.0311,
58.9234

 16.1481, 32.2525,
5.5172

 56.0335, 51.4238,
70.2023

 63.8966, 55.2076,
82.7576

 72.5962, 59.3945,
96.6275

 75.4108, 60.7216,
102.3536

Harmonies

Analogous

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



29.7569, 36.4701, 13.3512



24.9438, 36.4701, 20.1928



22.7999, 36.4701, 34.5949

Triad

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



24.9438, 36.4701, 20.1928



32.8285, 36.4701, 92.5476



48.9427, 36.4701, 26.6926

Complementary

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



24.9438, 36.4701, 20.1928



31.7850, 23.2741, 44.4131

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.



50.0605, 36.4701, 45.3054



24.9438, 36.4701, 20.1928



40.0823, 36.4701, 88.1803

Square

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



24.9438, 36.4701, 20.1928



26.9281, 36.4701, 79.3813



46.6284, 36.4701, 68.9314



43.7548, 36.4701, 16.1097

Rectangle

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



24.9438, 36.4701, 20.1928



22.9350, 36.4701, 48.5409



46.6284, 36.4701, 68.9314



49.8331, 36.4701, 32.0204

Sweetspot

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



24.9447, 36.4716, 20.1936



64.8453, 75.0143, 68.8052



37.0897, 42.7449, 20.2058



14.1149, 16.4984, 14.8386



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.



24.9447, 36.4716, 20.1936



40.3322, 63.2315, 29.0692



27.2338, 37.3873, 32.2477



8.3982, 9.4938, 9.0908



11.4145, 22.7918, 3.9198



0.3623, 0.7184, 0.1399

Inverse Universe

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



31.7850, 23.2741, 44.4131



54.2282, 36.4124, 78.2651



28.7166, 22.0467, 28.2552



8.8396, 8.6426, 10.6539



18.5415, 8.9342, 29.0752



0.5866, 0.2824, 0.9315

Previews

White Background



This preview shows how the XYZ color 24.9438, 36.4701, 20.1928 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 24.9438, 36.4701, 20.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

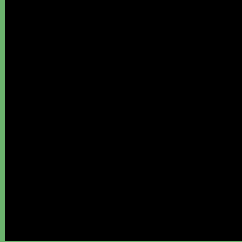
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9438, 36.4701, 20.1928

Background



This preview shows how black text looks on a background with the XYZ color 24.9438, 36.4701, 20.1928.



This preview shows how white text looks on a background with the XYZ color 24.9438, 36.4701,

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

24.9438, 36.4701, 20.1928

Protanopia

33.2231, 36.0301, 17.7738

Deuteranopia

36.7509, 35.9951, 20.9303



Tritanopia

31.0525, 36.3477, 50.7266

Trichromacy



Original Color

24.9438, 36.4701, 20.1928



Protanomaly

29.3149, 35.6045, 18.6919



Deuteranomaly

31.1004, 35.4022, 20.5234



Tritanomaly

28.3655, 36.1034, 37.3719

Monochromacy



Original Color

24.9438, 36.4701, 20.1928



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 24.9438, 36.4701, 20.1928 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, 179, 109)` looks like.

```
.text, #text, p{  
    color:rgb(107, 179, 109)  
}
```

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, 179, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 179, 109) }
```

Border

The CSS property to change the border of an element to XYZ 24.9438, 36.4701, 20.1928 is called "border". The border property can be set on classes, ids or directly on the HTML element.

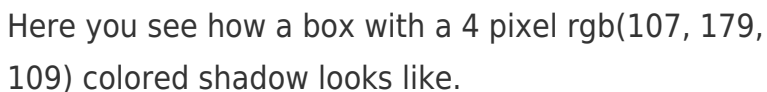
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 179, 109) }
```


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

```
.border{ border-color:rgb(107, 179, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 179, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 179, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 179, 109); box-shadow:4px 4px 4px 4px rgb(107, 179, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9438, 36.4701, 20.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 179, 109) }
```

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

```
.background{ background-color: rgb(107,  
179, 109) }
```

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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