

Converting Colors

XYZ(24.0859, 36.8795, 9.6070)

Have a look what the booklet for
XYZ(24.0859, 36.8795, 9.6070)
contains.

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Color

**XYZ(24.0477, 36.8440,
9.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	71B538
RGB	113, 181, 56
RGB Percent	44%, 71%, 22%
CMY	0.5569, 0.2902, 0.7804
CMYK	0.38, 0.00, 0.69, 0.29
HSL	93°, 53%, 46%
HSV	93°, 69%, 71%
XYZ	24.0477, 36.8440, 9.5855
YIQ	146.4180, -0.4030, -53.2910

Conversions

Conversions Part 2

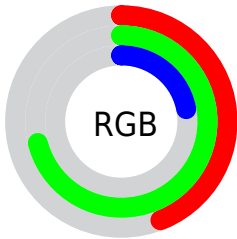
Format	Color
RYB	56, 181, 124
Decimal	7451960
CIELab	67.16, -42.21, 54.41
CIELCh	67, 68.861, 127.804
Yxy	36.8440, 0.3412, 0.5228
Android (android.graphics.Color)	4285642040 (0xFF71B538)
YUV	146.4180, -44.5761, -29.3076
Hunter-Lab	60.6993, -35.5060, 33.1265

Details

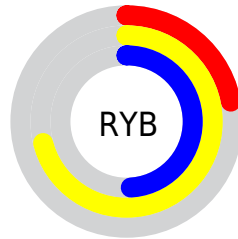
The XYZ color **24.0477, 36.8440, 9.5855** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **18.0687, 10.4508, 44.7831**, and the grayscale version is **27.6719, 29.1130, 31.7041**.

A 20% lighter version of the original color is **49.4608, 70.1292, 25.6813**, and **9.2767, 16.0486, 2.6088** is the 20% darker color. If you saturate the color by 10%, you get **22.4840, 36.0813, 7.6049**, and if you desaturate by 10%, it is **25.9107, 37.7448, 12.4169**.

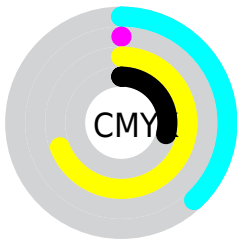
Distribution



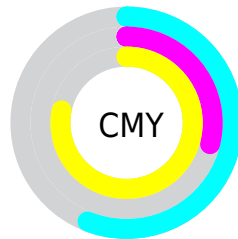
- Red (44%)
- Green (71%)
- Blue (22%)



- Red (22%)
- Yellow (71%)
- Blue (49%)



- Cyan (38%)
- Magenta (0%)
- Yellow (69%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0477, 36.8440, 9.5855 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 24.0477, 36.8440, 9.5855 by changing the saturation by 10% instead.


 24.0477, 36.8440,
9.5855


 24.0477, 36.8440,
9.5855

265.4975,
332.6346, 198.0637


 15.4939, 25.0867,
5.0230


 49.5621, 70.3328,
25.6084


 9.2553, 16.1417,
2.2018


 67.2535, 92.8331,
37.9059

 4.9665, 9.6245,
0.6754


 88.7215, 119.6832,
53.6188

 2.2622, 5.1507,
0.0000

 114.3314,
151.2675, 73.1657

 0.7752, 2.3359,
0.0000

 144.4486,
187.9704, 96.9651

 0.0000, 0.7926,
0.0000

 179.4385,

 0.0000, 0.0000,

230.1763, 125.4355

0.0000

219.6663,
278.2696, 158.9956

■ 24.0477, 36.8440,
9.5855

■ 24.0477, 36.8440,
9.5855

■ 22.4840, 36.0813,
7.6049

■ 25.9107, 37.7448,
12.4169

■ 21.1943, 35.4423,
6.3767

■ 28.0900, 38.7873,
16.1784

■ 20.1418, 34.9130,
5.7262

■ 30.6042, 39.9806,
20.9431

■ 20.0507, 34.8671,
5.6732

■ 33.4695, 41.3315,
26.7760

■ 36.7007, 42.8466,
33.7368

■ 40.3119, 44.5317,
41.8805

■ 44.3164, 46.3927,
51.2588

■ 48.7266, 48.4348,
61.9201

■ 53.5544, 50.6632,
73.9104

Harmonies

Analogous

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



32.3496, 36.8440, 5.7777



24.0477, 36.8440, 9.5855



19.4591, 36.8440, 22.0030

Triad

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



24.0477, 36.8440, 9.5855



27.9345, 36.8440, 120.9603



59.0618, 36.8440, 32.7693

Complementary

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



24.0477, 36.8440, 9.5855



18.0687, 10.4508, 44.7831

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.



57.2269, 36.8440, 66.1545



24.0477, 36.8440, 9.5855



37.8316, 36.8440, 128.9527

Square

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



24.0477, 36.8440, 9.5855



21.3707, 36.8440, 86.9999



48.9040, 36.8440, 105.3086



53.5085, 36.8440, 14.0938

Rectangle

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



24.0477, 36.8440, 9.5855



18.4753, 36.8440, 37.9422



48.9040, 36.8440, 105.3086



59.3060, 36.8440, 42.3730

Sweetspot

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



24.0486, 36.8456, 9.5863



64.3417, 76.0853, 57.3788



26.8131, 24.1941, 6.9986



13.5624, 16.2835, 11.6553



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.



24.0486, 36.8456, 9.5863



38.9776, 63.9813, 12.2923



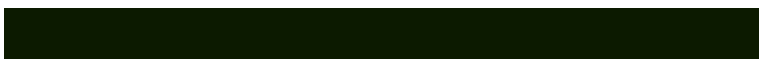
18.9759, 34.2183, 9.9033



8.7448, 9.6735, 9.0588



13.8999, 24.0757, 3.9145



0.5049, 0.7923, 0.1263

Inverse Universe

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



18.0687, 10.4508, 44.7831



27.5138, 13.5788, 79.4654



28.3909, 15.8208, 43.0673



8.4689, 8.4503, 10.6910



9.3380, 4.1497, 30.4458



0.3601, 0.1647, 0.9611

Previews

White Background



This preview shows how the XYZ color 24.0477, 36.8440, 9.5855 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 24.0477, 36.8440, 9.5855 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 24.0477, 36.8440, 9.5855

Background



This preview shows how black text looks on a background with the XYZ color 24.0477, 36.8440, 9.5855.



This preview shows how white text looks on a background with the XYZ color 24.0477, 36.8440,

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

24.0477, 36.8440, 9.5855

Protanopia

32.9861, 36.3785, 8.4152

Deuteranopia

37.0326, 36.3809, 10.0714



Tritanopia

32.0953, 36.6201, 50.1765

Trichromacy



Original Color

24.0477, 36.8440, 9.5855

Protanomaly

28.9220, 36.1746, 8.8262

Deuteranomaly

30.7225, 35.4448, 9.7797

Tritanomaly

27.7711, 35.9784, 29.1477

Monochromacy



Original Color

24.0477, 36.8440, 9.5855

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.2103, 31.0569, 20.2886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0477, 36.8440, 9.5855 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(113, 181, 56)` looks like.

```
.text, #text, p{  
    color:rgb(113, 181, 56)  
}
```

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(113, 181, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 181, 56) }
```

Border

The CSS property to change the border of an element to XYZ 24.0477, 36.8440, 9.5855 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(113, 181, 56) }
```


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

```
.border{ border-color:rgb(113, 181, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 181, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 181, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 181, 56);  
box-shadow:4px 4px 4px 4px rgb(113, 181,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0477, 36.8440, 9.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 181, 56) }
```

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

```
.background{ background-color: rgb(113,  
181, 56) }
```

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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