

Converting Colors

$Y_{xy}(31.0718, 0.4220, 0.4367)$

Have a look what the booklet for
Yxy(31.0718, 0.4220, 0.4367)
contains.

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Color

Yxy(31.0745, 0.4220, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	B29445
RGB	178, 148, 69
RGB Percent	70%, 58%, 27%
CMY	0.3020, 0.4196, 0.7294
CMYK	0.00, 0.17, 0.61, 0.30
HSL	43°, 44%, 48%
HSV	43°, 61%, 70%
XYZ	30.0216, 31.0745, 10.0451
YIQ	147.9640, 43.2390, -18.2090

Conversions

Conversions Part 2

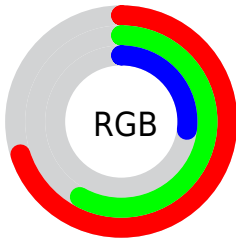
Format	Color
RYB	110, 178, 69
Decimal	11703365
CIELab	62.57, 1.85, 45.10
CIELCh	63, 45.133, 87.653
Yxy	31.0745, 0.4220, 0.4368
Android (android.graphics.Color)	4289893445 (0xFFB29445)
YUV	147.9640, -38.9293, 26.3416
Hunter-Lab	55.7445, -1.4204, 28.3371

Details

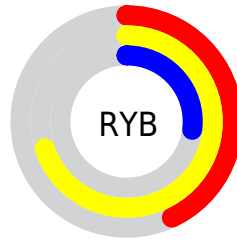
The Yxy color **31.0745, 0.4220, 0.4368** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.3973, 0.2069, 0.1854**, and the grayscale version is **29.7507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4300, 0.4019, 0.4178**, and **12.9134, 0.4499, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **29.3836, 0.4397, 0.4487**, and if you desaturate by 10%, it is **32.8996, 0.4031, 0.4217**.

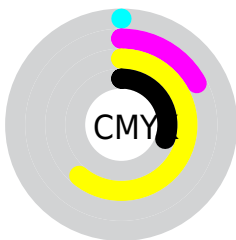
Distribution



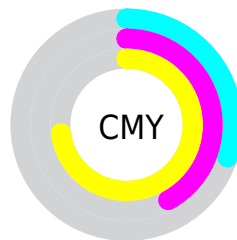
- Red (70%)
- Green (58%)
- Blue (27%)



- Red (43%)
- Yellow (70%)
- Blue (27%)



- Cyan (0%)
- Magenta (17%)
- Yellow (61%)
- Black (30%)





- Cyan (30%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0745, 0.4220, 0.4368 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 Yxy color 31.0745, 0.4220, 0.4368 by changing the saturation by 10% instead.

 31.0745, 0.4220,
0.4368


 31.0745, 0.4220,
0.4368


306.8814, 0.3663,
0.3825


 20.6556, 0.4350,
0.4492


 61.3573, 0.4021,
0.4176


 12.8725, 0.4506,
0.4638

 81.9901, 0.3945,
0.4102

 7.3408, 0.4689,
0.4805


 106.7962, 0.3880,
0.4038

 3.6761, 0.4956,
0.5044

 136.1601, 0.3824,
0.3984

 1.4941, 0.4985,
0.5015

 170.4661, 0.3776,
0.3936

 0.2846, 0.5258,
0.4742

210.0988, 0.3734,

 0.0000, 0.0000,

0.3894

0.0000

255.4424, 0.3696,
0.3858

■ 31.0745, 0.4220,
0.4368

■ 31.0745, 0.4220,
0.4368

■ 29.3836, 0.4397,
0.4487

■ 32.8996, 0.4031,
0.4217

■ 27.8156, 0.4554,
0.4564

■ 34.8606, 0.3838,
0.4045

■ 26.3637, 0.4684,
0.4594

■ 36.9646, 0.3649,
0.3861

■ 25.1728, 0.4778,
0.4588

■ 39.2167, 0.3469,
0.3674

■ 41.6219, 0.3300,
0.3489

■ 44.1844, 0.3145,
0.3311

■ 46.9088, 0.3004,
0.3143

■ 49.7990, 0.2877,
0.2987

■ 52.8590, 0.2763,
0.2842

Harmonies

Analogous

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



31.0745, 0.4543, 0.3887



31.0745, 0.4220, 0.4368



31.0745, 0.3623, 0.4617

Triad

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



31.0745, 0.4220, 0.4368



31.0745, 0.1959, 0.3005



31.0745, 0.3200, 0.2445

Complementary

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



31.0745, 0.4220, 0.4368



13.3973, 0.2069, 0.1854

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.



31.0745, 0.2527, 0.2221



31.0745, 0.4220, 0.4368



31.0745, 0.1879, 0.2468

Square

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



31.0745, 0.4220, 0.4368



31.0745, 0.2324, 0.3754



31.0745, 0.2072, 0.2216



31.0745, 0.3932, 0.2843

Rectangle

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



31.0745, 0.4220, 0.4368



31.0745, 0.3159, 0.4537



31.0745, 0.2072, 0.2216



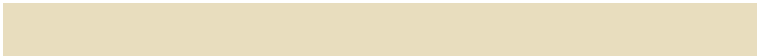
31.0745, 0.2958, 0.2348

Sweetspot

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



31.0760, 0.4220, 0.4368



72.3763, 0.3418, 0.3619



14.6369, 0.4461, 0.2866



15.7623, 0.3468, 0.3673



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.0760, 0.4220, 0.4368



52.4105, 0.4447, 0.4515



39.1710, 0.3745, 0.4827



9.5035, 0.3270, 0.3454



18.1239, 0.4770, 0.4595



0.6616, 0.4576, 0.4749

Inverse Universe

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



13.3973, 0.2069, 0.1854



17.8634, 0.1863, 0.1506



9.7766, 0.2164, 0.1445



8.5980, 0.2985, 0.3120



3.9615, 0.1601, 0.0964



0.2246, 0.1761, 0.1539

Previews

White Background



This preview shows how the Yxy color 31.0745, 0.4220, 0.4368 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 Yxy color 31.0745, 0.4220, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

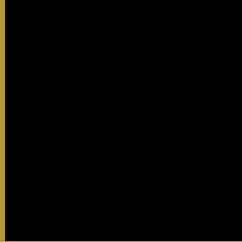
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0745, 0.4220, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 31.0745, 0.4220, 0.4368.



This preview shows how white text looks on a background with the Yxy color 31.0745, 0.4220, 0.4368.

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

31.0745, 0.4220, 0.4368

Protanopia

31.2235, 0.4067, 0.4459

Deuteranopia

30.9535, 0.4347, 0.4262



Tritanopia

30.9815, 0.3519, 0.3138

Trichromacy



Original Color

31.0745, 0.4220, 0.4368

Protanomaly

31.3461, 0.4120, 0.4425

Deuteranomaly

30.8833, 0.4305, 0.4289

Tritanomaly

30.6716, 0.3796, 0.3592

Monochromacy



Original Color

31.0745, 0.4220, 0.4368

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8826, 0.3535, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0745, 0.4220, 0.4368 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(178, 148, 69)` looks like.

```
.text, #text, p{  
    color:rgb(178, 148, 69)  
}
```

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(178, 148, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 148, 69) }
```

Border

The CSS property to change the border of an element to Yxy 31.0745, 0.4220, 0.4368 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(178, 148, 69) }
```

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

```
.border{ border-color:rgb(178, 148, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 148, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 148, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 148, 69);  
box-shadow:4px 4px 4px 4px rgb(178, 148,  
69) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.0745, 0.4220, 0.4368$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 148, 69) }
```

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

```
.background{ background-color: rgb(178,  
148, 69) }
```

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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