

Converting Colors

Yxy(30.2784, 0.3201, 0.4539)

Have a look what the booklet for
Yxy(30.2784, 0.3201, 0.4539)
contains.

Yxy(30.1728, 0.3197, 0.4538)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1728, 0.3197, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	6CA35D
RGB	108, 163, 93
RGB Percent	42%, 64%, 36%
CMY	0.5765, 0.3608, 0.6353
CMYK	0.34, 0.00, 0.43, 0.36
HSL	107°, 28%, 50%
HSV	107°, 43%, 64%
XYZ	21.2566, 30.1728, 15.0598
YIQ	138.5750, -10.3100, -33.4300

Conversions

Conversions Part 2

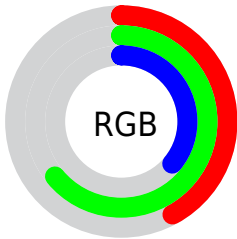
Format	Color
RYB	93, 163, 148
Decimal	7119709
CIELab	61.80, -31.86, 30.71
CIELCh	62, 44.253, 136.051
Yxy	30.1728, 0.3197, 0.4538
Android (android.graphics.Color)	4285309789 (0xFF6CA35D)
YUV	138.5750, -22.4685, -26.8143
Hunter-Lab	54.9298, -27.0516, 22.1956

Details

The Yxy color **30.1728, 0.3197, 0.4538** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.7711, 0.2984, 0.2201**, and the grayscale version is **25.7377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8378, 0.3205, 0.4262**, and **12.4282, 0.3171, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **29.1704, 0.3198, 0.4868**, and if you desaturate by 10%, it is **31.3574, 0.3188, 0.4212**.

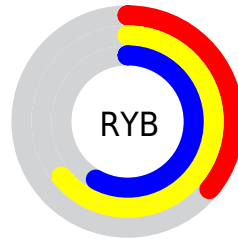
Distribution



Red (42%)

Green (64%)

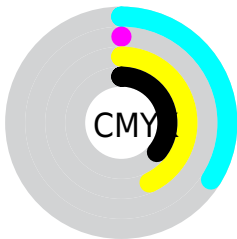
Blue (36%)



Red (36%)

Yellow (64%)

Blue (58%)

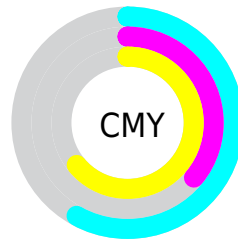


Cyan (34%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (58%)


Magenta (36%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1728, 0.3197, 0.4538 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 30.1728, 0.3197, 0.4538 by changing the saturation by 10% instead.


 30.1728, 0.3197,
0.4538


 30.1728, 0.3197,
0.4538


302.7091, 0.3184,
0.3835


 19.9698, 0.3188,
0.4742


 59.9353, 0.3200,
0.4262

 12.3731, 0.3167,
0.5023


 80.2637, 0.3198,
0.4164

 6.9983, 0.3116,
0.5426


 104.7359, 0.3196,
0.4084

 3.4610, 0.3029,
0.6121

 133.7364, 0.3194,
0.4018

 1.3769, 0.2521,
0.7479

167.6495, 0.3191,
0.3961

 0.1996, 0.0000,
1.0000

206.8598, 0.3189,

 0.0000, 0.0000,

0.3913

0.0000

251.7515, 0.3186,
0.3871

■ 30.1728, 0.3197,
0.4538

■ 30.1728, 0.3197,
0.4538

■ 29.1704, 0.3198,
0.4868

■ 31.3574, 0.3188,
0.4212

■ 28.3371, 0.3190,
0.5185

■ 32.7288, 0.3173,
0.3903

■ 27.6645, 0.3172,
0.5467


■ 34.2960, 0.3154,
0.3618

■ 27.1415, 0.3143,
0.5695

■ 36.0665, 0.3134,
0.3360


■ 26.7556, 0.3107,
0.5854


■ 38.0473, 0.3112,
0.3131

 26.5517, 0.3082,
0.5935

 40.2451, 0.3090,
0.2929

 42.6663, 0.3068,
0.2751

 45.3170, 0.3047,
0.2596

 48.2030, 0.3027,
0.2461

Harmonies

Analogous

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



30.1728, 0.3870, 0.4552



30.1728, 0.3197, 0.4538



30.1728, 0.2541, 0.4033

Triad

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



30.1728, 0.3197, 0.4538



30.1728, 0.1975, 0.2289



30.1728, 0.4280, 0.3148

Complementary

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



30.1728, 0.3197, 0.4538



16.7711, 0.2984, 0.2201

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.



30.1728, 0.3654, 0.2678



30.1728, 0.3197, 0.4538



30.1728, 0.2328, 0.2200

Square

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



30.1728, 0.3197, 0.4538



30.1728, 0.1887, 0.2648



30.1728, 0.2923, 0.2343



30.1728, 0.4547, 0.3678

Rectangle

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



30.1728, 0.3197, 0.4538



30.1728, 0.2203, 0.3534



30.1728, 0.2923, 0.2343



30.1728, 0.4101, 0.2981

Sweetspot

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



30.1741, 0.3197, 0.4538



61.3292, 0.3155, 0.3626



29.7063, 0.3840, 0.4127



13.6342, 0.3159, 0.3684



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.1741, 0.3197, 0.4538



52.2353, 0.3198, 0.4869



29.7120, 0.2919, 0.4213



7.9647, 0.3147, 0.3520



20.6512, 0.3087, 0.5931



0.4524, 0.3323, 0.5744

Inverse Universe

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



16.7711, 0.2984, 0.2201



24.8606, 0.2936, 0.1957



17.6046, 0.3438, 0.2523



7.1253, 0.3105, 0.3066



5.6478, 0.2682, 0.1251



0.1368, 0.2886, 0.1363

Previews

White Background



This preview shows how the Yxy color 30.1728, 0.3197, 0.4538 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 30.1728, 0.3197, 0.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

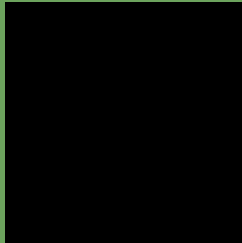
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1728, 0.3197, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 30.1728, 0.3197, 0.4538.



This preview shows how white text looks on a background with the Yxy color 30.1728, 0.3197, 0.4538.

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

30.1728, 0.3197, 0.4538

Protanopia

29.9860, 0.3880, 0.4214

Deuteranopia

29.8115, 0.4010, 0.3923



Tritanopia

29.9662, 0.2714, 0.3079

Trichromacy



Original Color

30.1728, 0.3197, 0.4538

Protanomaly

29.6890, 0.3609, 0.4333

Deuteranomaly

29.4295, 0.3686, 0.4148

Tritanomaly

29.7204, 0.2891, 0.3581

Monochromacy



Original Color

30.1728, 0.3197, 0.4538

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1741, 0.3168, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1728, 0.3197, 0.4538 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(108, 163, 93)` looks like.

```
.text, #text, p{  
    color:rgb(108, 163, 93)  
}
```

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(108, 163, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 163, 93) }
```

Border

The CSS property to change the border of an element to Yxy 30.1728, 0.3197, 0.4538 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(108, 163, 93) }
```

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

```
.border{ border-color:rgb(108, 163, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 163, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 163, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 163, 93);  
box-shadow:4px 4px 4px 4px rgb(108, 163,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1728, 0.3197, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 163, 93) }
```

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

```
.background{ background-color: rgb(108,  
163, 93) }
```

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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