

Converting Colors

$Yxy(18.0345, 0.3108, 0.5110)$

Have a look what the booklet for
Yxy(18.0345, 0.3108, 0.5110)
contains.

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Color

Yxy(18.0242, 0.3108, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	3D8535
RGB	61, 133, 53
RGB Percent	24%, 52%, 21%
CMY	0.7607, 0.4784, 0.7921
CMYK	0.54, 0.00, 0.60, 0.48
HSL	114°, 43%, 36%
HSV	114°, 60%, 52%
XYZ	10.9562, 18.0242, 6.2713
YIQ	102.3520, -17.2320, -40.1440

Conversions

Conversions Part 2

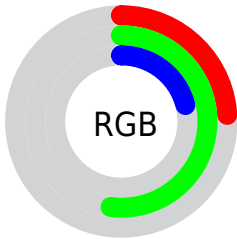
Format	Color
RYB	53, 133, 125
Decimal	4031797
CIELab	49.53, -39.10, 35.74
CIElCh	50, 52.970, 137.572
Yxy	18.0242, 0.3108, 0.5113
Android (android.graphics.Color)	4282221877 (0xFF3D8535)
YUV	102.3520, -24.3305, -36.2657
Hunter-Lab	42.4549, -28.2311, 20.9603

Details

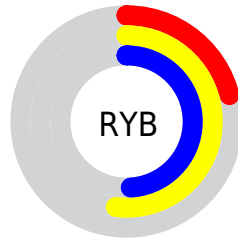
The Yxy color **18.0242, 0.3108, 0.5113** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.5997, 0.3057, 0.1883**, and the grayscale version is **13.4551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1448, 0.3157, 0.4654**, and **6.0390, 0.2989, 0.5961** is the 20% darker color. If you saturate the color by 10%, you get **17.5805, 0.3091, 0.5416**, and if you desaturate by 10%, it is **18.5882, 0.3120, 0.4782**.

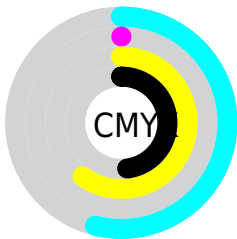
Distribution



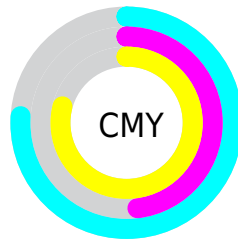
- Red (24%)
- Green (52%)
- Blue (21%)



- Red (21%)
- Yellow (52%)
- Blue (49%)



- Cyan (54%)
- Magenta (0%)
- Yellow (60%)
- Black (48%)





- Cyan (76%)
- Magenta (48%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0242, 0.3108, 0.5113 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 18.0242, 0.3108, 0.5113 by changing the saturation by 10% instead.


 18.0242, 0.3108,
0.5113


 18.0242, 0.3108,
0.5113


241.0074, 0.3171,
0.3996


 10.9674, 0.3051,
0.5481


 40.0786, 0.3154,
0.4646

 6.0449, 0.2933,
0.6010

 55.8449, 0.3163,
0.4490


 2.8724, 0.2819,
0.7181

 75.2831, 0.3168,
0.4365

 1.0655, 0.0430,
0.9570

 98.7777, 0.3171,
0.4264

 0.0000, 0.0000,
0.0000

 126.7131, 0.3172,
0.4180

 159.4735, 0.3172,

0.4109

197.4435, 0.3172,
0.4048

■ 18.0242, 0.3108,
0.5113

■ 18.0242, 0.3108,
0.5113

■ 17.5805, 0.3091,
0.5416

■ 18.5882, 0.3120,
0.4782

■ 17.2463, 0.3071,
0.5668

■ 19.2779, 0.3128,
0.4446

■ 17.0124, 0.3049,
0.5851

■ 20.1011, 0.3132,
0.4120

■ 16.8628, 0.3032,
0.5974

■ 21.0646, 0.3133,
0.3816

■ 22.1743, 0.3131,
0.3539

■ 23.4360, 0.3127,
0.3293

■ 24.8552, 0.3122,
0.3077

■ 26.4370, 0.3117,
0.2887

■ 28.1864, 0.3111,
0.2723

Harmonies

Analogous

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



18.0242, 0.4026, 0.5045



18.0242, 0.3108, 0.5113



18.0242, 0.2243, 0.4330

Triad

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



18.0242, 0.3108, 0.5113



18.0242, 0.1611, 0.1918



18.0242, 0.4797, 0.3081

Complementary

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



18.0242, 0.3108, 0.5113



8.5997, 0.3057, 0.1883

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.



18.0242, 0.3909, 0.2483



18.0242, 0.3108, 0.5113



18.0242, 0.2069, 0.1845

Square

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



18.0242, 0.3108, 0.5113



18.0242, 0.1477, 0.2332



18.0242, 0.2870, 0.2047



18.0242, 0.5102, 0.3755

Rectangle

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



18.0242, 0.3108, 0.5113



18.0242, 0.1821, 0.3551



18.0242, 0.2870, 0.2047



18.0242, 0.4549, 0.2870

Sweetspot

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



18.0250, 0.3108, 0.5113



38.0479, 0.3132, 0.3766



19.5757, 0.4039, 0.4523



8.4657, 0.3133, 0.3839



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.0250, 0.3108, 0.5113



31.2529, 0.3085, 0.5511



18.1670, 0.2802, 0.4449



5.2255, 0.3130, 0.3513



16.0644, 0.3033, 0.5974



0.0570, 0.3175, 0.5861

Inverse Universe

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



8.5997, 0.3057, 0.1883



12.7574, 0.3028, 0.1655



8.5001, 0.3768, 0.2397



4.7398, 0.3122, 0.3075



5.3961, 0.2965, 0.1407



0.0204, 0.3094, 0.1478

Previews

White Background



This preview shows how the Yxy color 18.0242, 0.3108, 0.5113 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 18.0242, 0.3108, 0.5113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

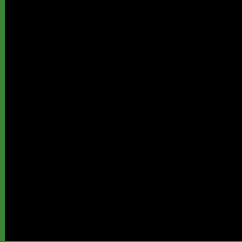
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0242, 0.3108, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 18.0242, 0.3108, 0.5113.



This preview shows how white text looks on a background with the Yxy color 18.0242, 0.3108, 0.5113.

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

18.0242, 0.3108, 0.5113

Protanopia

17.6818, 0.4113, 0.4517

Deuteranopia

17.8334, 0.4251, 0.4192



Tritanopia

18.0362, 0.2538, 0.3083

Trichromacy



Original Color

18.0242, 0.3108, 0.5113

Protanomaly

17.3995, 0.3689, 0.4761

Deuteranomaly

17.3058, 0.3773, 0.4536

Tritanomaly

17.8360, 0.2759, 0.3803

Monochromacy



Original Color

18.0242, 0.3108, 0.5113

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.4766, 0.3134, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0242, 0.3108, 0.5113 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(61, 133, 53)` looks like.

```
.text, #text, p{  
    color:rgb(61, 133, 53)  
}
```

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(61, 133, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 133, 53) }
```

Border

The CSS property to change the border of an element to Yxy 18.0242, 0.3108, 0.5113 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(61, 133, 53) }
```

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

```
.border{ border-color:rgb(61, 133, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 133, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 133, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 133, 53);  
box-shadow:4px 4px 4px 4px rgb(61, 133,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0242, 0.3108, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 133, 53) }
```

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

```
.background{ background-color: rgb(61, 133,  
53) }
```

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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