

Converting Colors

$Y_{xy}(31.0723, 0.2646, 0.3275)$

Have a look what the booklet for
Yxy(31.0723, 0.2646, 0.3275)
contains.

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Color

Yxy(31.1625, 0.2647, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	6AA1A2
RGB	106, 161, 162
RGB Percent	42%, 63%, 64%
CMY	0.5843, 0.3686, 0.3647
CMYK	0.35, 0.01, 0.00, 0.36
HSL	181°, 23%, 53%
HSV	181°, 35%, 64%
XYZ	25.2100, 31.1625, 38.8674
YIQ	144.6690, -33.1010, -11.3490

Conversions

Conversions Part 2

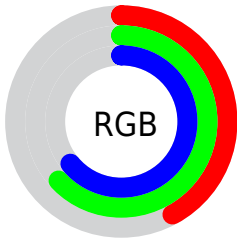
Format	Color
RYB	106, 134, 162
Decimal	6988194
CIELab	62.64, -17.73, -6.28
CIElCh	63, 18.811, 199.505
Yxy	31.1625, 0.2647, 0.3272
Android (android.graphics.Color)	4285178274 (0xFF6AA1A2)
YUV	144.6690, 8.5442, -33.9127
Hunter-Lab	55.8234, -17.0798, -2.2047

Details

The Yxy color **31.1625, 0.2647, 0.3272** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2365, 0.3914, 0.3308**, and the grayscale version is **28.1494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5951, 0.2744, 0.3277**, and **12.8473, 0.2491, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **30.1627, 0.2535, 0.3266**, and if you desaturate by 10%, it is **32.3525, 0.2773, 0.3278**.

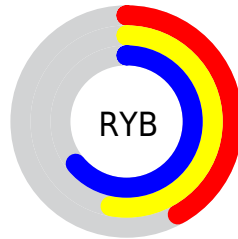
Distribution



Red (42%)

Green (63%)

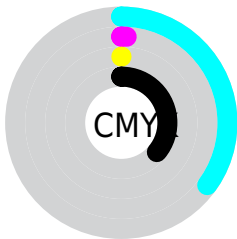
Blue (64%)



Red (42%)

Yellow (53%)

Blue (64%)

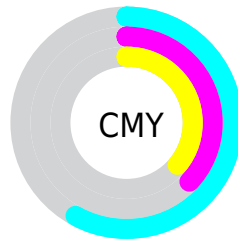


Cyan (35%)

Magenta (1%)

Yellow (0%)

Black (36%)



Cyan (58%)


Magenta (37%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1625, 0.2647, 0.3272 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 31.1625, 0.2647, 0.3272 by changing the saturation by 10% instead.


 31.1625, 0.2647,
0.3272


 31.1625, 0.2647,
0.3272


307.2863, 0.2900,
0.3286


 20.7226, 0.2580,
0.3267


 61.4958, 0.2742,
0.3278

 12.9214, 0.2490,
0.3259


 82.1581, 0.2777,
0.3280

 7.3744, 0.2366,
0.3245


 106.9965, 0.2806,
0.3282

 3.6974, 0.2184,
0.3221

 136.3956, 0.2830,
0.3283

 1.5058, 0.1891,
0.3168

170.7398, 0.2851,
0.3284

 0.2928, 0.0000,
0.2787

210.4133, 0.2870,

 0.0000, 0.0000,

0.3285

0.0000

255.8007, 0.2886,
0.3285

■ 31.1625, 0.2647,
0.3272

■ 31.1625, 0.2647,
0.3272

■ 30.1627, 0.2535,
0.3266

■ 32.3525, 0.2773,
0.3278

■ 29.3388, 0.2440,
0.3260

■ 33.7387, 0.2911,
0.3283

■ 28.6804, 0.2363,
0.3254

■ 35.3315, 0.3058,
0.3288

■ 28.1744, 0.2305,
0.3249

■ 37.1394, 0.3211,
0.3292


■ 27.8060, 0.2264,
0.3243

■ 39.1704, 0.3368,
0.3297

 27.5567, 0.2241,
0.3237

 41.4321, 0.3525,
0.3301

 27.4460, 0.2232,
0.3234

 43.9318, 0.3682,
0.3304

 46.6764, 0.3835,
0.3307

 49.6726, 0.3984,
0.3310

Harmonies

Analogous

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



31.1625, 0.2857, 0.3557



31.1625, 0.2647, 0.3272



31.1625, 0.2562, 0.3010

Triad

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



31.1625, 0.2647, 0.3272



31.1625, 0.3086, 0.2868



31.1625, 0.3654, 0.3730

Complementary

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



31.1625, 0.2647, 0.3272



19.2365, 0.3914, 0.3308

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.



31.1625, 0.3727, 0.3526



31.1625, 0.2647, 0.3272



31.1625, 0.3390, 0.3041

Square

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



31.1625, 0.2647, 0.3272



31.1625, 0.2806, 0.2794



31.1625, 0.3629, 0.3277



31.1625, 0.3438, 0.3826

Rectangle

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



31.1625, 0.2647, 0.3272



31.1625, 0.2585, 0.2884



31.1625, 0.3629, 0.3277



31.1625, 0.3696, 0.3671

Sweetspot

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



31.1637, 0.2647, 0.3272



62.4703, 0.2974, 0.3285



29.9645, 0.3073, 0.4279



13.9451, 0.2955, 0.3284



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.



31.1637, 0.2647, 0.3272



55.2328, 0.2565, 0.3268



22.4661, 0.2584, 0.2782



7.9896, 0.2988, 0.3286



21.6302, 0.2232, 0.3234



0.4608, 0.2238, 0.3255

Inverse Universe

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



20.5629, 0.3178, 0.2467



33.2388, 0.3189, 0.2304



26.0312, 0.3765, 0.3747



7.2000, 0.3140, 0.3072



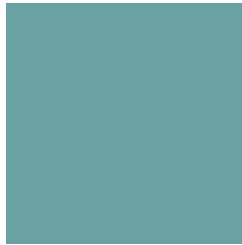
8.0277, 0.3253, 0.1566



0.1693, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 31.1625, 0.2647, 0.3272 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 31.1625, 0.2647, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

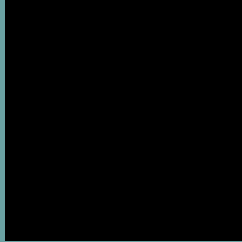
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1625, 0.2647, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 31.1625, 0.2647, 0.3272.

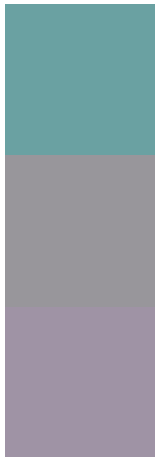


This preview shows how white text looks on a background with the Yxy color 31.1625, 0.2647, 0.3272.

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

31.1625, 0.2647, 0.3272

Protanopia

30.8547, 0.3100, 0.3213

Deuteranopia

30.9550, 0.3079, 0.3023



Tritanopia

31.0260, 0.2594, 0.3077

Trichromacy



Original Color

31.1625, 0.2647, 0.3272

Protanomaly

30.7307, 0.2910, 0.3226

Deuteranomaly

30.7123, 0.2904, 0.3103

Tritanomaly

31.1569, 0.2617, 0.3157

Monochromacy



Original Color

31.1625, 0.2647, 0.3272

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.1929, 0.2931, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1625, 0.2647, 0.3272 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(106, 161, 162)` looks like.

```
.text, #text, p{  
    color:rgb(106, 161, 162)  
}
```

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(106, 161, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 161, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.1625, 0.2647, 0.3272 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(106, 161, 162) }
```

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

```
.border{ border-color:rgb(106, 161, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 161, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 161, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 161, 162); box-shadow:4px 4px 4px 4px rgb(106, 161, 162) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.1625, 0.2647, 0.3272$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 161, 162) }
```

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

```
.background{ background-color: rgb(106,  
161, 162) }
```

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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