

Converting Colors

$Y_{xy}(32.2622, 0.2297, 0.2460)$

Have a look what the booklet for
Yxy(32.2622, 0.2297, 0.2460)
contains.

Yxy(32.3031, 0.2298, 0.2458)	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(32.3031, 0.2298, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	689ED7
RGB	104, 158, 215
RGB Percent	41%, 62%, 84%
CMY	0.5921, 0.3804, 0.1570
CMYK	0.52, 0.27, 0.00, 0.16
HSL	211°, 58%, 63%
HSV	211°, 52%, 84%
XYZ	30.2004, 32.3031, 68.9168
YIQ	148.3520, -50.4810, 6.2790

Conversions

Conversions Part 2

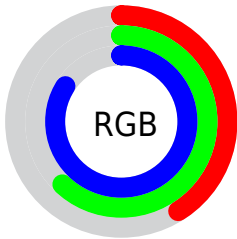
Format	Color
RYB	104, 140, 215
Decimal	6856407
CIELab	63.59, -1.88, -34.49
CIElCh	64, 34.542, 266.875
Yxy	32.3031, 0.2298, 0.2458
Android (android.graphics.Color)	4285046487 (0xFF689ED7)
YUV	148.3520, 32.8575, -38.8967
Hunter-Lab	56.8358, -4.6146, -32.1076

Details

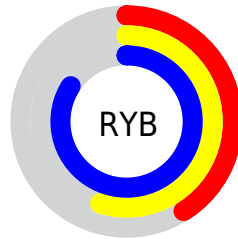
The Yxy color **32.3031, 0.2298, 0.2458** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9310, 0.4204, 0.3977**, and the grayscale version is **29.6471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8840, 0.2538, 0.2791**, and **13.5670, 0.2053, 0.2210** is the 20% darker color. If you saturate the color by 10%, you get **27.5790, 0.2149, 0.2260**, and if you desaturate by 10%, it is **37.6957, 0.2457, 0.2647**.

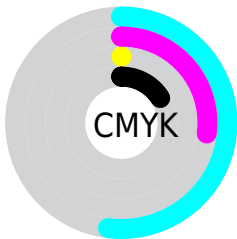
Distribution



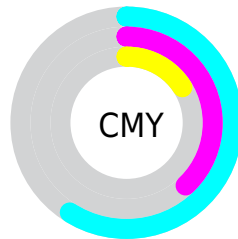
- Red (41%)
- Green (62%)
- Blue (84%)



- Red (41%)
- Yellow (55%)
- Blue (84%)



- Cyan (52%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)



- Cyan (59%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3031, 0.2298, 0.2458 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 32.3031, 0.2298, 0.2458 by changing the saturation by 10% instead.

■ 32.3031, 0.2298,
0.2458

■ 32.3031, 0.2298,
0.2458

■ 312.4977, 0.2722,
0.2886

■ 21.5931, 0.2191,
0.2349

■ 63.2860, 0.2453,
0.2615

■ 13.5582, 0.2055,
0.2210

■ 84.3276, 0.2511,
0.2674

■ 7.8141, 0.1876,
0.2026

■ 109.5819, 0.2560,
0.2723

■ 3.9762, 0.1632,
0.1775

■ 139.4334, 0.2602,
0.2766

■ 1.6603, 0.1292,
0.1421

■ 174.2662, 0.2638,
0.2802

■ 0.3977, 0.0656,
0.0786

■ 214.4650, 0.2670,

■ 0.0000, 0.0000,

0.2834

0.0000

260.4140, 0.2698,
0.2862

■ 32.3031, 0.2298,
0.2458

■ 32.3031, 0.2298,
0.2458

■ 27.5790, 0.2149,
0.2260

■ 37.6957, 0.2457,
0.2647

■ 23.4856, 0.2015,
0.2059

■ 43.7846, 0.2622,
0.2825

■ 19.9856, 0.1902,
0.1859

■ 50.6000, 0.2786,
0.2988

■ 17.0346, 0.1813,
0.1668


■ 58.1687, 0.2947,
0.3137


■ 14.9251, 0.1755,
0.1516

■ 66.5165, 0.3103,
0.3270

 75.6674, 0.3251,
0.3388

 85.6444, 0.3390,
0.3493

 92.2664, 0.3376,
0.3599

 97.6851, 0.3364,
0.3681

Harmonies

Analogous

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



32.3031, 0.2148, 0.2678



32.3031, 0.2298, 0.2458



32.3031, 0.2659, 0.2448

Triad

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



32.3031, 0.2298, 0.2458



32.3031, 0.4117, 0.3347



32.3031, 0.3005, 0.4118

Complementary

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



32.3031, 0.2298, 0.2458



40.9310, 0.4204, 0.3977

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.



32.3031, 0.3541, 0.4284



32.3031, 0.2298, 0.2458



32.3031, 0.4210, 0.3772

Square

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



32.3031, 0.2298, 0.2458



32.3031, 0.3725, 0.2940



32.3031, 0.3987, 0.4127



32.3031, 0.2528, 0.3655

Rectangle

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



32.3031, 0.2298, 0.2458



32.3031, 0.2993, 0.2545



32.3031, 0.3987, 0.4127



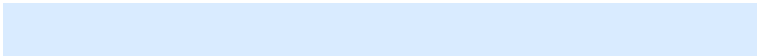
32.3031, 0.3184, 0.4212

Sweetspot

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



32.3043, 0.2298, 0.2458



81.5562, 0.2891, 0.3086



54.0537, 0.2752, 0.4098



16.9468, 0.2857, 0.3054



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.3043, 0.2298, 0.2458



39.9582, 0.2135, 0.2241



17.7543, 0.2139, 0.1657



12.9961, 0.2982, 0.3167



9.1398, 0.1762, 0.1543



0.7167, 0.1851, 0.1862

Inverse Universe

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



26.8171, 0.3859, 0.2644



32.8399, 0.4104, 0.2537



64.0322, 0.3876, 0.4528



12.5205, 0.3216, 0.3177



9.2675, 0.5004, 0.2530



0.5757, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 32.3031, 0.2298, 0.2458 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 32.3031, 0.2298, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

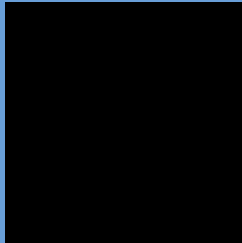
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3031, 0.2298, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 32.3031, 0.2298, 0.2458.

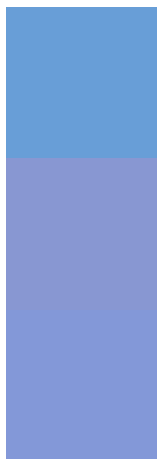


This preview shows how white text looks on a background with the Yxy color 32.3031, 0.2298, 0.2458.

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

32.3031, 0.2298, 0.2458

Protanopia

32.0206, 0.2521, 0.2458

Deuteranopia

32.2396, 0.2449, 0.2394



Tritanopia

32.3999, 0.2460, 0.3077

Trichromacy



Original Color

32.3031, 0.2298, 0.2458

Protanomaly

32.1498, 0.2429, 0.2459

Deuteranomaly

32.1340, 0.2385, 0.2408

Tritanomaly

32.0890, 0.2396, 0.2832

Monochromacy



Original Color

32.3031, 0.2298, 0.2458

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3406, 0.2766, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3031, 0.2298, 0.2458 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(104, 158, 215)` looks like.

```
.text, #text, p{  
    color:rgb(104, 158, 215)  
}
```

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(104, 158, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 158, 215) }
```

Border

The CSS property to change the border of an element to Yxy 32.3031, 0.2298, 0.2458 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(104, 158, 215) }
```

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

```
.border{ border-color:rgb(104, 158, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 158, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 158, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 158, 215);  
box-shadow:4px 4px 4px 4px rgb(104, 158,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3031, 0.2298, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 158, 215) }
```

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

```
.background{ background-color: rgb(104,  
158, 215) }
```

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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