

Converting Colors

$Y_{xy}(28.8628, 0.2104, 0.2507)$

Have a look what the booklet for
Yxy(28.8628, 0.2104, 0.2507)
contains.

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Color

Yxy(28.8628, 0.2104, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	329CCD
RGB	50, 156, 205
RGB Percent	20%, 61%, 80%
CMY	0.8037, 0.3882, 0.1961
CMYK	0.76, 0.24, 0.00, 0.20
HSL	199°, 61%, 50%
HSV	199°, 76%, 80%
XYZ	24.2231, 28.8628, 62.0429
YIQ	129.8920, -78.9050, -7.2330

Conversions

Conversions Part 2

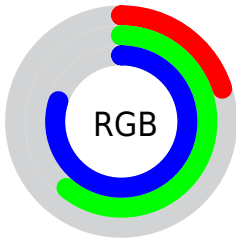
Format	Color
R_{YB}	50, 113, 205
Decimal	3316941
CIE _{Lab}	60.66, -13.43, -33.64
CIE _{LCh}	61, 36.217, 248.239
Yxy	28.8628, 0.2104, 0.2507
Android (android.graphics.Color)	4281507021 (0xFF329CCD)
YUV	129.8920, 37.0282, -70.0653
Hunter-Lab	53.7241, -13.5352, -30.8638

Details

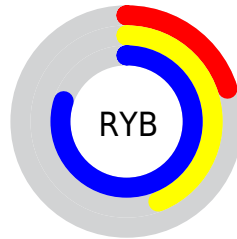
The Yxy color **28.8628, 0.2104, 0.2507** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **22.1372, 0.5204, 0.3813**, and the grayscale version is **22.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1647, 0.2326, 0.2738**, and **12.3375, 0.1967, 0.2282** is the 20% darker color. If you saturate the color by 10%, you get **26.3364, 0.2027, 0.2386**, and if you desaturate by 10%, it is **31.7404, 0.2201, 0.2627**.

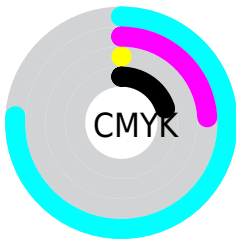
Distribution



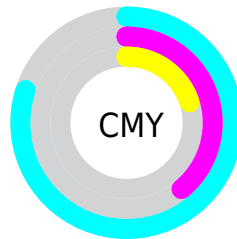
- Red (20%)
- Green (61%)
- Blue (80%)



- Red (20%)
- Yellow (44%)
- Blue (80%)



- Cyan (76%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8628, 0.2104, 0.2507 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 28.8628, 0.2104, 0.2507 by changing the saturation by 10% instead.

■ 28.8628, 0.2104,
0.2507

■ 28.8628, 0.2104,
0.2507

■ 296.5671, 0.2629,
0.2928

■ 18.9771, 0.1972,
0.2395

■ 57.8590, 0.2296,
0.2666

■ 11.6537, 0.1804,
0.2249

■ 77.7383, 0.2368,
0.2723

■ 6.5083, 0.1584,
0.2050

■ 101.7175, 0.2429,
0.2772

■ 3.1566, 0.1290,
0.1772

■ 130.1812, 0.2481,
0.2813

■ 1.2140, 0.0895,
0.1368

■ 163.5135, 0.2526,
0.2848

■ 0.0731, 0.0000,
0.0217

202.0990, 0.2565,

■ 0.0000, 0.0000,

0.2878

0.0000

246.3221, 0.2599,
0.2904

■ 28.8628, 0.2104,
0.2507

■ 28.8628, 0.2104,
0.2507

■ 26.3364, 0.2027,
0.2386

■ 31.7404, 0.2201,
0.2627

■ 24.1225, 0.1970,
0.2268

■ 34.9955, 0.2316,
0.2746

■ 23.2159, 0.1949,
0.2215

■ 38.6547, 0.2445,
0.2859

■ 42.7406, 0.2586,
0.2968

■ 47.2742, 0.2735,
0.3068

■ 52.2744, 0.2888,
0.3162

■ 57.7592, 0.3042,
0.3246

■ 63.7454, 0.3194,
0.3323

■ 70.2488, 0.3343,
0.3391

Harmonies

Analogous

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



28.8628, 0.2092, 0.2884



28.8628, 0.2104, 0.2507



28.8628, 0.2353, 0.2363

Triad

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



28.8628, 0.2104, 0.2507



28.8628, 0.3971, 0.3067



28.8628, 0.3353, 0.4355

Complementary

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



28.8628, 0.2104, 0.2507



22.1372, 0.5204, 0.3813

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.



28.8628, 0.3894, 0.4296



28.8628, 0.2104, 0.2507



28.8628, 0.4286, 0.3520

Square

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



28.8628, 0.2104, 0.2507



28.8628, 0.3411, 0.2683



28.8628, 0.4247, 0.3965



28.8628, 0.2779, 0.4035

Rectangle

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



28.8628, 0.2104, 0.2507



28.8628, 0.2640, 0.2387



28.8628, 0.4247, 0.3965



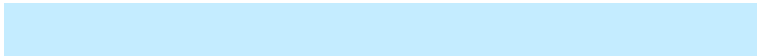
28.8628, 0.3545, 0.4375

Sweetspot

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



28.8638, 0.2104, 0.2507



79.2576, 0.2770, 0.3091



45.1897, 0.2839, 0.5074



16.3504, 0.2714, 0.3055



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.



28.8638, 0.2104, 0.2507



40.7091, 0.1987, 0.2308



10.9761, 0.1791, 0.1286



12.1055, 0.2983, 0.3215



14.6321, 0.1954, 0.2232



0.8873, 0.2018, 0.2463

Inverse Universe

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



17.6626, 0.3887, 0.2124



25.2332, 0.4112, 0.2077



43.4793, 0.4367, 0.4644



11.3410, 0.3185, 0.3133



9.2801, 0.4198, 0.2086



0.4921, 0.3959, 0.1955

Previews

White Background



This preview shows how the Yxy color 28.8628, 0.2104, 0.2507 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8628, 0.2104, 0.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

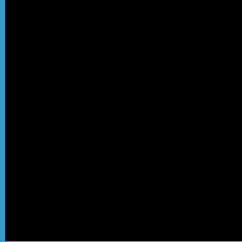
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8628, 0.2104, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 28.8628, 0.2104, 0.2507.

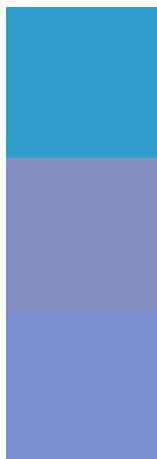


This preview shows how white text looks on a background with the Yxy color 28.8628, 0.2104, 0.2507.

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

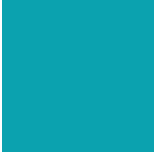
28.8628, 0.2104, 0.2507

Protanopia

28.4103, 0.2569, 0.2514

Deuteranopia

28.6382, 0.2415, 0.2354



Tritanopia

29.0070, 0.2192, 0.3058

Trichromacy



Original Color

28.8628, 0.2104, 0.2507

Protanomaly

28.1281, 0.2343, 0.2499

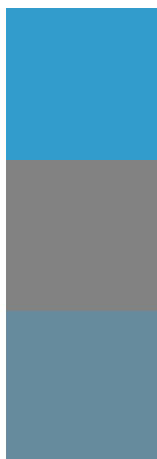
Deuteranomaly

28.1716, 0.2262, 0.2389

Tritanomaly

28.8935, 0.2149, 0.2844

Monochromacy



Original Color

28.8628, 0.2104, 0.2507

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.6663, 0.2594, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8628, 0.2104, 0.2507 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(50, 156, 205)` looks like.

```
.text, #text, p{  
    color:rgb(50, 156, 205)  
}
```

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(50, 156, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 156, 205) }
```

Border

The CSS property to change the border of an element to Yxy 28.8628, 0.2104, 0.2507 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(50, 156, 205) }
```

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

```
.border{ border-color:rgb(50, 156, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 156, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 156, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 156, 205);  
box-shadow:4px 4px 4px 4px rgb(50, 156,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8628, 0.2104, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 156, 205) }
```

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

```
.background{ background-color: rgb(50, 156,  
205) }
```

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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