

Converting Colors

$Yxy(28.1216, 0.2091, 0.2497)$

Have a look what the booklet for
Yxy(28.1216, 0.2091, 0.2497)
contains.

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Color

Yxy(28.0038, 0.2092, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	2E9ACB
RGB	46, 154, 203
RGB Percent	18%, 60%, 80%
CMY	0.8198, 0.3961, 0.2038
CMYK	0.77, 0.24, 0.00, 0.20
HSL	199°, 63%, 49%
HSV	199°, 77%, 80%
XYZ	23.4617, 28.0038, 60.6842
YIQ	127.2940, -80.0970, -7.6570

Conversions

Conversions Part 2

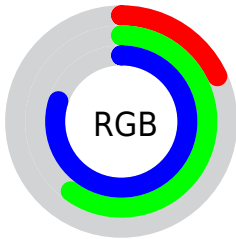
Format	Color
R _Y B	46, 110, 203
Decimal	3054283
CIE Lab	59.89, -13.47, -33.74
CIE LCh	60, 36.331, 248.234
Yxy	28.0038, 0.2092, 0.2497
Android (android.graphics.Color)	4281244363 (0xFF2E9ACB)
YUV	127.2940, 37.3231, -71.2948
Hunter-Lab	52.9186, -13.4687, -30.9476

Details

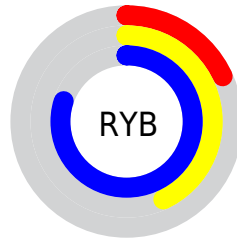
The Yxy color **28.0038, 0.2092, 0.2497** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **21.0745, 0.5274, 0.3804**, and the grayscale version is **21.2146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9766, 0.2308, 0.2710**, and **11.8704, 0.1964, 0.2268** is the 20% darker color. If you saturate the color by 10%, you get **25.6035, 0.2019, 0.2378**, and if you desaturate by 10%, it is **30.7391, 0.2185, 0.2616**.

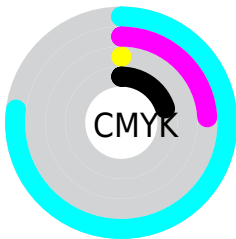
Distribution



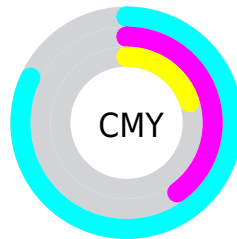
- Red (18%)
- Green (60%)
- Blue (80%)



- Red (18%)
- Yellow (43%)
- Blue (80%)



- Cyan (77%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0038, 0.2092, 0.2497 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 28.0038, 0.2092, 0.2497 by changing the saturation by 10% instead.

■ 28.0038, 0.2092,
0.2497

■ 28.0038, 0.2092,
0.2497

■ 292.4851, 0.2626,
0.2925

■ 18.3285, 0.1957,
0.2383

■ 56.4905, 0.2288,
0.2659

■ 11.1861, 0.1785,
0.2232

■ 76.0707, 0.2361,
0.2718

■ 6.1922, 0.1560,
0.2029

■ 99.7214, 0.2423,
0.2767

■ 2.9623, 0.1260,
0.1742

■ 127.8269, 0.2475,
0.2808

■ 1.1121, 0.0850,
0.1327

■ 160.7716, 0.2521,
0.2844

■ 0.0000, 0.0000,
0.0000

198.9399, 0.2560,

0.2874

242.7163, 0.2595,
0.2901

■ 28.0038, 0.2092,
0.2497

■ 28.0038, 0.2092,
0.2497

■ 25.6035, 0.2019,
0.2378

■ 30.7391, 0.2185,
0.2616

■ 23.4951, 0.1966,
0.2261

■ 33.8360, 0.2296,
0.2733

■ 22.9720, 0.1953,
0.2231

■ 37.3208, 0.2423,
0.2846

■ 41.2160, 0.2562,
0.2953

■ 45.5423, 0.2709,
0.3054

■ 50.3185, 0.2861,
0.3147

■ 55.5622, 0.3014,
0.3233

■ 61.2900, 0.3167,
0.3309

■ 67.5174, 0.3317,
0.3378

Harmonies

Analogous

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



28.0038, 0.2080, 0.2878



28.0038, 0.2092, 0.2497



28.0038, 0.2344, 0.2352

Triad

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



28.0038, 0.2092, 0.2497



28.0038, 0.3982, 0.3064



28.0038, 0.3355, 0.4370

Complementary

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



28.0038, 0.2092, 0.2497



21.0745, 0.5274, 0.3804

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.



28.0038, 0.3903, 0.4308



28.0038, 0.2092, 0.2497



28.0038, 0.4301, 0.3521

Square

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



28.0038, 0.2092, 0.2497



28.0038, 0.3414, 0.2676



28.0038, 0.4261, 0.3972



28.0038, 0.2774, 0.4046

Rectangle

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



28.0038, 0.2092, 0.2497



28.0038, 0.2634, 0.2377



28.0038, 0.4261, 0.3972



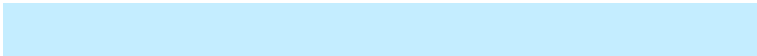
28.0038, 0.3549, 0.4390

Sweetspot

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



28.0048, 0.2092, 0.2497



79.3957, 0.2770, 0.3093



44.0950, 0.2840, 0.5118



16.3841, 0.2715, 0.3058



0.0000, 0.0000, 0.0000



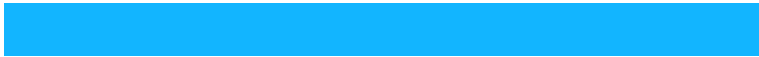
21.4041, 0.3127, 0.3290

Same Dimension

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



28.0048, 0.2092, 0.2497



40.3915, 0.1981, 0.2298



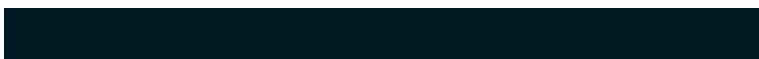
10.2503, 0.1767, 0.1242



12.1133, 0.2983, 0.3216



14.7840, 0.1958, 0.2247



0.8943, 0.2021, 0.2475

Inverse Universe

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



16.9826, 0.3900, 0.2107



25.0236, 0.4124, 0.2073



42.2532, 0.4389, 0.4659



11.3418, 0.3185, 0.3132



9.2954, 0.4182, 0.2078



0.4928, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 28.0038, 0.2092, 0.2497 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 28.0038, 0.2092, 0.2497 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 28.0038, 0.2092, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 28.0038, 0.2092, 0.2497.

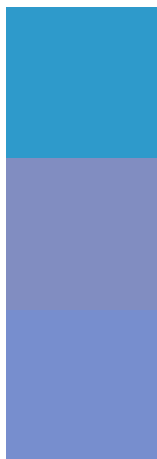


This preview shows how white text looks on a background with the Yxy color 28.0038, 0.2092, 0.2497.

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

28.0038, 0.2092, 0.2497

Protanopia

27.5671, 0.2563, 0.2505

Deuteranopia

27.7242, 0.2401, 0.2342



Tritanopia

27.7748, 0.2182, 0.3053

Trichromacy



Original Color

28.0038, 0.2092, 0.2497

Protanomaly

27.2416, 0.2329, 0.2488

Deuteranomaly

27.2409, 0.2243, 0.2377

Tritanomaly

27.6520, 0.2136, 0.2835

Monochromacy



Original Color

28.0038, 0.2092, 0.2497

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.8545, 0.2580, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0038, 0.2092, 0.2497 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(46, 154, 203)` looks like.

```
.text, #text, p{  
    color:rgb(46, 154, 203)  
}
```

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(46, 154, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 154, 203) }
```

Border

The CSS property to change the border of an element to Yxy 28.0038, 0.2092, 0.2497 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(46, 154, 203) }
```

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

```
.border{ border-color:rgb(46, 154, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 154, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 154, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 154, 203);  
box-shadow:4px 4px 4px 4px rgb(46, 154,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0038, 0.2092, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 154, 203) }
```

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

```
.background{ background-color: rgb(46, 154,  
203) }
```

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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