

Converting Colors

$Y_{xy}(28.8164, 0.2071, 0.2467)$

Have a look what the booklet for
Yxy(28.8164, 0.2071, 0.2467)
contains.

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Color

Yxy(28.8232, 0.2071, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	2A9CD0
RGB	42, 156, 208
RGB Percent	16%, 61%, 82%
CMY	0.8344, 0.3883, 0.1843
CMYK	0.80, 0.25, 0.00, 0.18
HSL	199°, 66%, 49%
HSV	199°, 80%, 82%
XYZ	24.2358, 28.8232, 63.9657
YIQ	127.8420, -84.6360, -7.9960

Conversions

Conversions Part 2

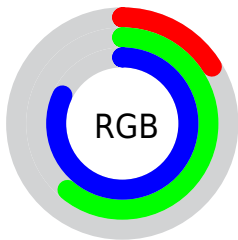
Format	Color
R_{YB}	42, 110, 208
Decimal	2792656
CIE _{Lab}	60.63, -13.22, -35.39
CIE _{LCh}	61, 37.780, 249.517
Yxy	28.8232, 0.2071, 0.2463
Android (android.graphics.Color)	4280982736 (0xFF2A9CD0)
YUV	127.8420, 39.5179, -75.2834
Hunter-Lab	53.6872, -13.3731, -33.0601

Details

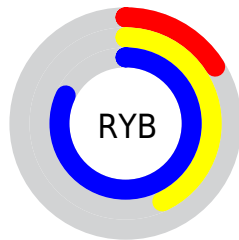
The Yxy color **28.8232, 0.2071, 0.2463** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **21.6304, 0.5356, 0.3803**, and the grayscale version is **21.4341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8906, 0.2310, 0.2735**, and **12.4031, 0.1958, 0.2248** is the 20% darker color. If you saturate the color by 10%, you get **26.3593, 0.2003, 0.2344**, and if you desaturate by 10%, it is **31.6346, 0.2160, 0.2583**.

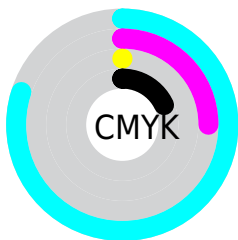
Distribution



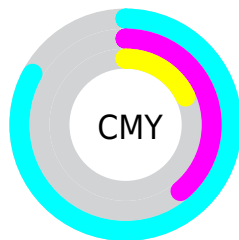
- Red (16%)
- Green (61%)
- Blue (82%)



- Red (16%)
- Yellow (43%)
- Blue (82%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (83%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8232, 0.2071, 0.2463 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 28.8232, 0.2071, 0.2463 by changing the saturation by 10% instead.

■ 28.8232, 0.2071,
0.2463

■ 28.8232, 0.2071,
0.2463

■ 296.3799, 0.2612,
0.2905

■ 18.9471, 0.1936,
0.2346

■ 57.7961, 0.2268,
0.2629

■ 11.6321, 0.1764,
0.2194

■ 77.6616, 0.2343,
0.2690

■ 6.4937, 0.1541,
0.1989

■ 101.6258, 0.2405,
0.2741

■ 3.1475, 0.1246,
0.1704

■ 130.0730, 0.2458,
0.2784

■ 1.2092, 0.0854,
0.1298

■ 163.3876, 0.2505,
0.2821

■ 0.0692, 0.0000,
0.0190

201.9540, 0.2545,

■ 0.0000, 0.0000,

0.2853

0.0000

246.1567, 0.2580,
0.2881

■ 28.8232, 0.2071,
0.2463

■ 28.8232, 0.2071,
0.2463

■ 26.3593, 0.2003,
0.2344

■ 31.6346, 0.2160,
0.2583

■ 24.1831, 0.1952,
0.2226

■ 34.8231, 0.2267,
0.2701

■ 24.1199, 0.1951,
0.2223

■ 38.4176, 0.2391,
0.2816

■ 42.4427, 0.2527,
0.2926

■ 46.9207, 0.2673,
0.3030

■ 51.8720, 0.2825,
0.3125

■ 57.3157, 0.2978,
0.3213

■ 63.2695, 0.3132,
0.3292

■ 69.7501, 0.3283,
0.3363

Harmonies

Analogous

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



28.8232, 0.2048, 0.2842



28.8232, 0.2071, 0.2463



28.8232, 0.2338, 0.2326

Triad

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



28.8232, 0.2071, 0.2463



28.8232, 0.4028, 0.3076



28.8232, 0.3333, 0.4399

Complementary

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



28.8232, 0.2071, 0.2463



21.6304, 0.5356, 0.3803

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.



28.8232, 0.3902, 0.4347



28.8232, 0.2071, 0.2463



28.8232, 0.4342, 0.3545

Square

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



28.8232, 0.2071, 0.2463



28.8232, 0.3450, 0.2674



28.8232, 0.4283, 0.4006



28.8232, 0.2739, 0.4048

Rectangle

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



28.8232, 0.2071, 0.2463



28.8232, 0.2642, 0.2358



28.8232, 0.4283, 0.4006



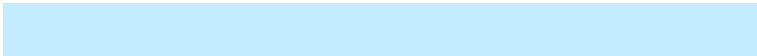
28.8232, 0.3534, 0.4425

Sweetspot

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



28.8242, 0.2071, 0.2463



78.5359, 0.2755, 0.3082



46.3853, 0.2842, 0.5179



16.2125, 0.2700, 0.3048



0.0000, 0.0000, 0.0000



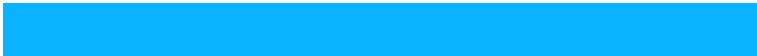
21.4041, 0.3127, 0.3290

Same Dimension

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



28.8242, 0.2071, 0.2463



39.1986, 0.1965, 0.2257



10.1364, 0.1734, 0.1180



12.7551, 0.2983, 0.3215



15.2111, 0.1956, 0.2240



0.9891, 0.2015, 0.2455

Inverse Universe

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



17.4834, 0.3938, 0.2096



24.7030, 0.4170, 0.2085



44.1829, 0.4419, 0.4677



11.9433, 0.3185, 0.3132



9.6068, 0.4190, 0.2082



0.5511, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 28.8232, 0.2071, 0.2463 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 28.8232, 0.2071, 0.2463 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 28.8232, 0.2071, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 28.8232, 0.2071, 0.2463.

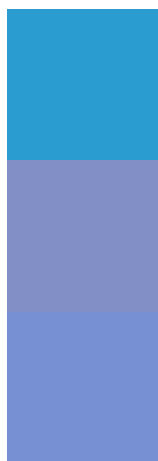


This preview shows how white text looks on a background with the Yxy color 28.8232, 0.2071, 0.2463.

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

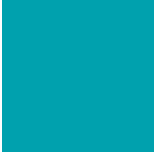
28.8232, 0.2071, 0.2463

Protanopia

28.3893, 0.2531, 0.2472

Deuteranopia

28.5716, 0.2375, 0.2313



Tritanopia

28.5457, 0.2182, 0.3056

Trichromacy



Original Color

28.8232, 0.2071, 0.2463

Protanomaly

27.9855, 0.2295, 0.2453

Deuteranomaly

28.0571, 0.2219, 0.2346

Tritanomaly

28.4430, 0.2131, 0.2824

Monochromacy



Original Color

28.8232, 0.2071, 0.2463

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.1527, 0.2559, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8232, 0.2071, 0.2463 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(42, 156, 208)` looks like.

```
.text, #text, p{  
    color:rgb(42, 156, 208)  
}
```

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(42, 156, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 156, 208) }
```

Border

The CSS property to change the border of an element to Yxy 28.8232, 0.2071, 0.2463 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(42, 156, 208) }
```

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

```
.border{ border-color:rgb(42, 156, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 156, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 156, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 156, 208);  
box-shadow:4px 4px 4px 4px rgb(42, 156,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8232, 0.2071, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 156, 208) }
```

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

```
.background{ background-color: rgb(42, 156,  
208) }
```

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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