

Converting Colors

$Yxy(29.4706, 0.2025, 0.2287)$

Have a look what the booklet for
Yxy(29.4706, 0.2025, 0.2287)
contains.

Yxy(29.6317, 0.2027, 0.2292)	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(29.6317, 0.2027, 0.2292)

Conversions

Conversions Part 1

Format	Color
Hex	2E9CDE
RGB	46, 156, 222
RGB Percent	18%, 61%, 87%
CMY	0.8189, 0.3883, 0.1294
CMYK	0.79, 0.30, 0.00, 0.13
HSL	203°, 73%, 53%
HSV	203°, 79%, 87%
XYZ	26.2057, 29.6317, 73.4458
YIQ	130.6340, -86.7460, -2.7940

Conversions

Conversions Part 2

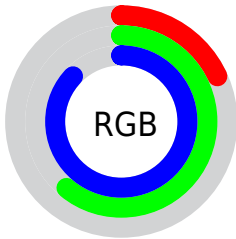
Format	Color
R _Y B	46, 114, 222
Decimal	3054814
CIE Lab	61.34, -7.91, -42.06
CIE LCh	61, 42.802, 259.347
Yxy	29.6317, 0.2027, 0.2292
Android (android.graphics.Color)	4281244894 (0xFF2E9CDE)
YUV	130.6340, 45.0434, -74.2240
Hunter-Lab	54.4350, -9.3291, -41.8918

Details

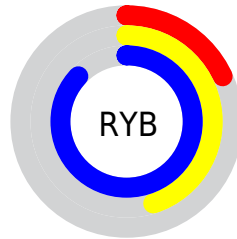
The Yxy color **29.6317, 0.2027, 0.2292** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **27.3601, 0.5223, 0.3922**, and the grayscale version is **22.4381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1647, 0.2326, 0.2738**, and **12.8563, 0.1903, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **26.5397, 0.1950, 0.2147**, and if you desaturate by 10%, it is **33.1842, 0.2126, 0.2438**.

Distribution



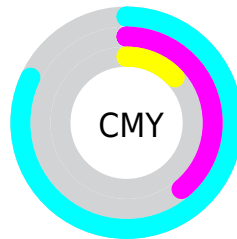
- Red (18%)
- Green (61%)
- Blue (87%)



- Red (18%)
- Yellow (45%)
- Blue (87%)



- Cyan (79%)
- Magenta (30%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (39%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6317, 0.2027, 0.2292 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 29.6317, 0.2027, 0.2292 by changing the saturation by 10% instead.

■ 29.6317, 0.2027,
0.2292

■ 29.6317, 0.2027,
0.2292

■ 300.1839, 0.2585,
0.2811

■ 19.5592, 0.1890,
0.2161

■ 59.0792, 0.2229,
0.2483

■ 12.0750, 0.1719,
0.1994

■ 79.2231, 0.2305,
0.2554

■ 6.7948, 0.1498,
0.1775

■ 103.4928, 0.2370,
0.2614

■ 3.3341, 0.1212,
0.1484

■ 132.2729, 0.2425,
0.2665

■ 1.3085, 0.0843,
0.1093

■ 165.9476, 0.2473,
0.2709

■ 0.1478, 0.0000,
0.0283

204.9014, 0.2515,

■ 0.0000, 0.0000,

0.2748

0.0000

249.5187, 0.2552,
0.2781

■ 29.6317, 0.2027,
0.2292

■ 29.6317, 0.2027,
0.2292

■ 26.5397, 0.1950,
0.2147

■ 33.1842, 0.2126,
0.2438

■ 23.8435, 0.1892,
0.2006

■ 37.2341, 0.2243,
0.2583

■ 23.6380, 0.1888,
0.1995

■ 41.8163, 0.2376,
0.2723

■ 46.9612, 0.2521,
0.2857

■ 52.6962, 0.2673,
0.2982

■ 59.0466, 0.2829,
0.3097

■ 66.0361, 0.2985,
0.3202

■ 73.6867, 0.3139,
0.3297

■ 82.0195, 0.3289,
0.3382

Harmonies

Analogous

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



29.6317, 0.1912, 0.2614



29.6317, 0.2027, 0.2292



29.6317, 0.2401, 0.2230

Triad

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



29.6317, 0.2027, 0.2292



29.6317, 0.4298, 0.3209



29.6317, 0.3123, 0.4469

Complementary

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



29.6317, 0.2027, 0.2292



27.3601, 0.5223, 0.3922

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.



29.6317, 0.3787, 0.4539



29.6317, 0.2027, 0.2292



29.6317, 0.4512, 0.3730

Square

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



29.6317, 0.2027, 0.2292



29.6317, 0.3717, 0.2738



29.6317, 0.4305, 0.4221



29.6317, 0.2496, 0.3936

Rectangle

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



29.6317, 0.2027, 0.2292



29.6317, 0.2783, 0.2315



29.6317, 0.4305, 0.4221



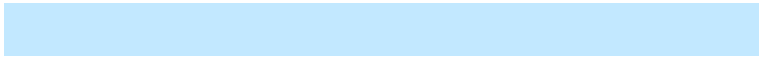
29.6317, 0.3350, 0.4547

Sweetspot

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



29.6327, 0.2027, 0.2292



76.3886, 0.2751, 0.3041



53.9683, 0.2792, 0.5004



15.6940, 0.2695, 0.2999



0.0000, 0.0000, 0.0000



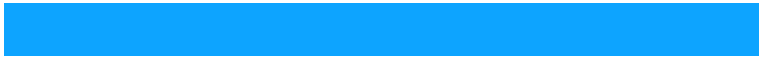
21.4041, 0.3127, 0.3290

Same Dimension

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



29.6327, 0.2027, 0.2292



33.8711, 0.1911, 0.2055



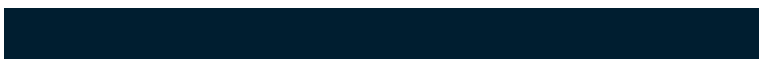
10.1929, 0.1702, 0.1052



14.6623, 0.2981, 0.3200



14.2605, 0.1893, 0.2016



1.1589, 0.1954, 0.2234

Inverse Universe

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



19.8982, 0.4108, 0.2203



24.2235, 0.4388, 0.2210



56.3727, 0.4313, 0.4773



13.8438, 0.3195, 0.3145



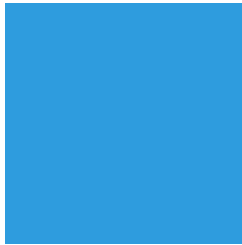
10.3476, 0.4435, 0.2217



0.7344, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 29.6317, 0.2027, 0.2292 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 29.6317, 0.2027, 0.2292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

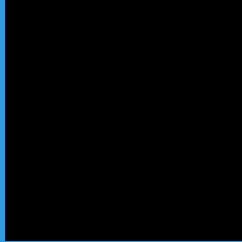
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

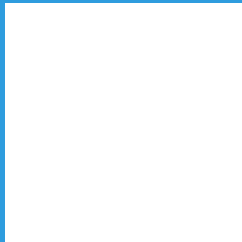
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6317, 0.2027, 0.2292

Background



This preview shows how black text looks on a background with the Yxy color 29.6317, 0.2027, 0.2292.

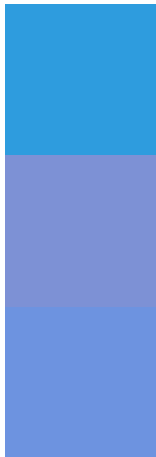


This preview shows how white text looks on a background with the Yxy color 29.6317, 0.2027, 0.2292.

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

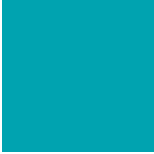
29.6317, 0.2027, 0.2292

Protanopia

29.4149, 0.2408, 0.2316

Deuteranopia

29.5005, 0.2248, 0.2196



Tritanopia

29.3290, 0.2183, 0.3058

Trichromacy



Original Color

29.6317, 0.2027, 0.2292

Protanomaly

28.9396, 0.2220, 0.2297

Deuteranomaly

29.1188, 0.2140, 0.2221

Tritanomaly

29.1110, 0.2107, 0.2735

Monochromacy



Original Color

29.6317, 0.2027, 0.2292

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.1458, 0.2536, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6317, 0.2027, 0.2292 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, 156, 222)` looks like.

```
.text, #text, p{  
    color:rgb(46, 156, 222)  
}
```

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, 156, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 156, 222) }
```

Border

The CSS property to change the border of an element to Yxy 29.6317, 0.2027, 0.2292 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, 156, 222) }
```

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

```
.border{ border-color:rgb(46, 156, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 156, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 156, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 156, 222);  
box-shadow:4px 4px 4px 4px rgb(46, 156,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6317, 0.2027, 0.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 156, 222) }
```

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

```
.background{ background-color: rgb(46, 156,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor