

Converting Colors

$Yxy(36.0498, 0.2026, 0.2472)$

Have a look what the booklet for
Yxy(36.0498, 0.2026, 0.2472)
contains.

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Color

Yxy(36.0564, 0.2026, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	0BAEE6
RGB	11, 174, 230
RGB Percent	4%, 68%, 90%
CMY	0.9582, 0.3176, 0.0981
CMYK	0.95, 0.24, 0.00, 0.10
HSL	195°, 91%, 47%
HSV	195°, 95%, 90%
XYZ	29.5511, 36.0564, 80.2517
YIQ	131.6470, -115.1240, -17.1400

Conversions

Conversions Part 2

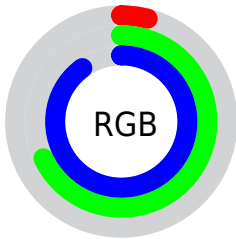
Format	Color
R_{YB}	11, 104, 230
Decimal	765670
CIE _{Lab}	66.56, -17.15, -38.31
CIE _{LCh}	67, 41.973, 245.885
Yxy	36.0564, 0.2026, 0.2472
Android (android.graphics.Color)	4278955750 (0xFF0BAEE6)
YUV	131.6470, 48.4880, -105.8074
Hunter-Lab	60.0470, -17.2365, -37.2072

Details

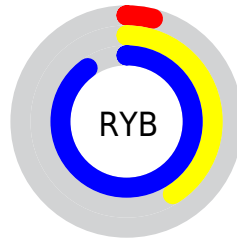
The Yxy color **36.0564, 0.2026, 0.2472** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **20.8141, 0.5980, 0.3590**, and the grayscale version is **22.7577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0648, 0.2345, 0.2987**, and **16.9751, 0.1970, 0.2290** is the 20% darker color. If you saturate the color by 10%, you get **34.9483, 0.2008, 0.2428**, and if you desaturate by 10%, it is **38.6409, 0.2074, 0.2567**.

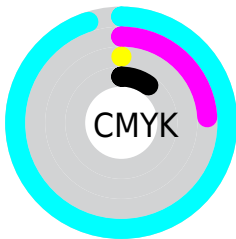
Distribution



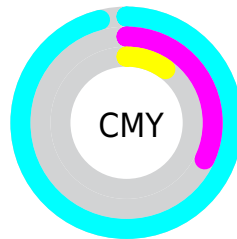
- Red (4%)
- Green (68%)
- Blue (90%)



- Red (4%)
- Yellow (41%)
- Blue (90%)



- Cyan (95%)
- Magenta (24%)
- Yellow (0%)
- Black (10%)



- Cyan (96%)
- Magenta (32%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0564, 0.2026, 0.2472 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 36.0564, 0.2026, 0.2472 by changing the saturation by 10% instead.

36.0564, 0.2026,
0.2472

36.0564, 0.2026,
0.2472

329.2070, 0.2567,
0.2897

24.4778, 0.1898,
0.2365

69.1191, 0.2218,
0.2628

15.6884, 0.1738,
0.2227

91.3720, 0.2292,
0.2686

9.3039, 0.1536,
0.2047

117.9517, 0.2355,
0.2735

4.9400, 0.1276,
0.1803

149.2427, 0.2409,
0.2777

2.2121, 0.0942,
0.1465

185.6293, 0.2456,
0.2813

0.7266, 0.0374,
0.1000

227.4959, 0.2498,

0.0000, 0.0000,

0.2845

0.0000

275.2271, 0.2534,
0.2872

■ 36.0564, 0.2026,
0.2472

■ 36.0564, 0.2026,
0.2472

■ 34.9483, 0.2008,
0.2428

■ 38.6409, 0.2074,
0.2567

■ 41.5845, 0.2142,
0.2663

■ 44.9348, 0.2230,
0.2759

■ 48.7298, 0.2337,
0.2853

■ 53.0022, 0.2459,
0.2944

■ 57.7809, 0.2595,
0.3031

■ 63.0926, 0.2740,
0.3112

■ 68.9614, 0.2891,
0.3187

■ 75.4101, 0.3044,
0.3256

Harmonies

Analogous

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



36.0564, 0.2033, 0.2890



36.0564, 0.2026, 0.2472



36.0564, 0.2270, 0.2304

Triad

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



36.0564, 0.2026, 0.2472



36.0564, 0.3995, 0.3013



36.0564, 0.3412, 0.4451

Complementary

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



36.0564, 0.2026, 0.2472



20.8141, 0.5980, 0.3590

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.



36.0564, 0.3983, 0.4347



36.0564, 0.2026, 0.2472



36.0564, 0.4361, 0.3489

Square

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



36.0564, 0.2026, 0.2472



36.0564, 0.3378, 0.2616



36.0564, 0.4344, 0.3969



36.0564, 0.2795, 0.4139

Rectangle

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



36.0564, 0.2026, 0.2472



36.0564, 0.2563, 0.2320



36.0564, 0.4344, 0.3969



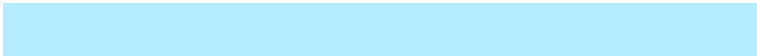
36.0564, 0.3616, 0.4458

Sweetspot

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



36.0576, 0.2026, 0.2472



77.1144, 0.2684, 0.3082



57.0404, 0.2911, 0.5649



15.8952, 0.2622, 0.3047



0.0000, 0.0000, 0.0000



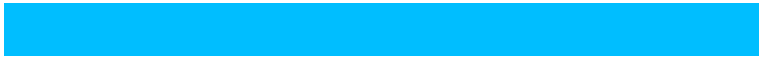
21.4041, 0.3127, 0.3290

Same Dimension

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



36.0576, 0.2026, 0.2472



44.0140, 0.2007, 0.2423



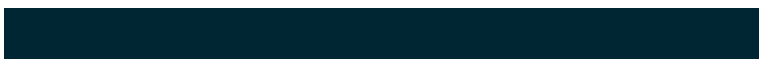
9.6181, 0.1604, 0.0945



15.6809, 0.2981, 0.3229



19.9950, 0.2012, 0.2443



1.6243, 0.2051, 0.2582

Inverse Universe

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



20.1082, 0.3948, 0.1966



24.9744, 0.4000, 0.1977



47.5627, 0.4685, 0.4637



14.5491, 0.3177, 0.3117



11.2162, 0.3979, 0.1966



0.8436, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 36.0564, 0.2026, 0.2472 looks on a white background.

Color Contrast Check

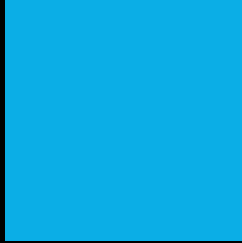
Large Text (above 18pt) WCAG AA × Fail

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 36.0564, 0.2026, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

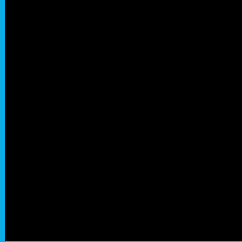
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0564, 0.2026, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 36.0564, 0.2026, 0.2472.

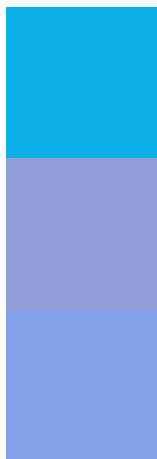


This preview shows how white text looks on a background with the Yxy color 36.0564, 0.2026, 0.2472.

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

36.0564, 0.2026, 0.2472

Protanopia

35.7875, 0.2545, 0.2491

Deuteranopia

35.5048, 0.2368, 0.2306



Tritanopia

36.0460, 0.2188, 0.3077

Trichromacy



Original Color

36.0564, 0.2026, 0.2472



Protanomaly

34.3116, 0.2240, 0.2456



Deuteranomaly

34.4034, 0.2154, 0.2333



Tritanomaly

35.9263, 0.2123, 0.2834

Monochromacy



Original Color

36.0564, 0.2026, 0.2472



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.7693, 0.2441, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0564, 0.2026, 0.2472 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(11, 174, 230)` looks like.

```
.text, #text, p{  
    color:rgb(11, 174, 230)  
}
```

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(11, 174, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 174, 230) }
```

Border

The CSS property to change the border of an element to Yxy 36.0564, 0.2026, 0.2472 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(11, 174, 230) }
```

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

```
.border{ border-color:rgb(11, 174, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 174, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 174, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 174, 230);  
box-shadow:4px 4px 4px 4px rgb(11, 174,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0564, 0.2026, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 174, 230) }
```

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

```
.background{ background-color: rgb(11, 174,  
230) }
```

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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