

Converting Colors

$Y_{xy}(12.0519, 0.1968, 0.1965)$

Have a look what the booklet for
Yxy(12.0519, 0.1968, 0.1965)
contains.

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Color

$Y_{xy}(12.0716, 0.1967, 0.1964)$

Conversions

Conversions Part 1

Format	Color
Hex	2763A5
RGB	39, 99, 165
RGB Percent	15%, 39%, 65%
CMY	0.8473, 0.6118, 0.3528
CMYK	0.76, 0.40, 0.00, 0.35
HSL	211°, 62%, 40%
HSV	211°, 76%, 65%
XYZ	12.0900, 12.0716, 37.3027
YIQ	88.5840, -56.9460, 7.8060

Conversions

Conversions Part 2

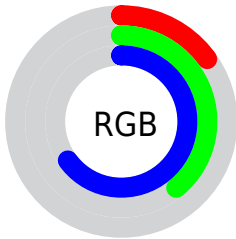
Format	Color
R _Y B	39, 80, 165
Decimal	2581413
CIE Lab	41.33, 4.35, -41.10
CIE LCh	41, 41.330, 276.039
Yxy	12.0716, 0.1967, 0.1964
Android (android.graphics.Color)	4280771493 (0xFF2763A5)
YUV	88.5840, 37.6731, -43.4852
Hunter-Lab	34.7442, 1.3108, -39.3351




Details

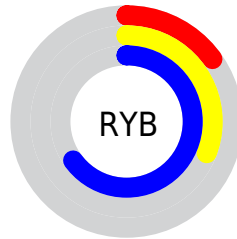
The Yxy color **12.0716, 0.1967, 0.1964** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.2442, 0.4811, 0.4193**, and the grayscale version is **9.8155, 0.3127, 0.3290**.




A 20% lighter version of the original color is **29.4870, 0.2233, 0.2260**, and **3.7385, 0.1764, 0.1550** is the 20% darker color. If you saturate the color by 10%, you get **10.2666, 0.1862, 0.1767**, and if you desaturate by 10%, it is **14.1926, 0.2093, 0.2166**.

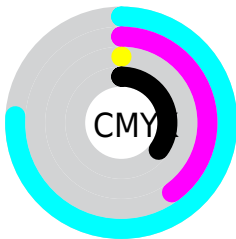
Distribution







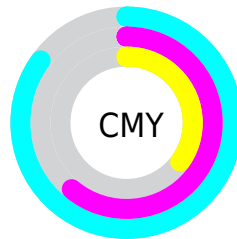
-  Red (15%)
-  Green (39%)
-  Blue (65%)






-  Red (15%)
-  Yellow (31%)
-  Blue (65%)



-  Cyan (76%)
-  Magenta (40%)
-  Yellow (0%)
-  Black (35%)



-  Cyan (85%)
-  Magenta (61%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0716, 0.1967, 0.1964 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 12.0716, 0.1967, 0.1964 by changing the saturation by 10% instead.

■ 12.0716, 0.1967,
0.1964

■ 12.0716, 0.1967,
0.1964

■ 204.8787, 0.2638,
0.2719

■ 6.7925, 0.1772,
0.1750

■ 29.6254, 0.2232,
0.2259

■ 3.3326, 0.1510,
0.1466

■ 42.6689, 0.2326,
0.2364

■ 1.3078, 0.1151,
0.1086

■ 59.0693, 0.2402,
0.2450

■ 0.1472, 0.0468,
0.0280

■ 79.2110, 0.2465,
0.2522

■ 0.0000, 0.0000,
0.0000

■ 103.4784, 0.2519,
0.2583

■ 132.2559, 0.2564,

0.2635

165.9279, 0.2604,
0.2680

■ 12.0716, 0.1967,
0.1964

■ 12.0716, 0.1967,
0.1964

■ 10.2666, 0.1862,
0.1767

■ 14.1926, 0.2093,
0.2166

■ 8.7483, 0.1781,
0.1579

■ 16.6500, 0.2236,
0.2366

■ 8.2538, 0.1754,
0.1514

■ 19.4631, 0.2391,
0.2559

■ 22.6491, 0.2552,
0.2742

■ 26.2240, 0.2715,
0.2912

■ 30.2027, 0.2875,
0.3067

■ 34.5990, 0.3031,
0.3208

■ 39.4263, 0.3180,
0.3334

■ 44.6970, 0.3320,
0.3445

Harmonies

Analogous

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



12.0716, 0.1657, 0.2153



12.0716, 0.1967, 0.1964



12.0716, 0.2587, 0.2054

Triad

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



12.0716, 0.1967, 0.1964



12.0716, 0.4867, 0.3500



12.0716, 0.2626, 0.4544

Complementary

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



12.0716, 0.1967, 0.1964



18.2442, 0.4811, 0.4193

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.



12.0716, 0.3462, 0.4969



12.0716, 0.1967, 0.1964



12.0716, 0.4794, 0.4142

Square

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



12.0716, 0.1967, 0.1964



12.0716, 0.4359, 0.2891



12.0716, 0.4254, 0.4721



12.0716, 0.1974, 0.3585

Rectangle

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



12.0716, 0.1967, 0.1964



12.0716, 0.3156, 0.2249



12.0716, 0.4254, 0.4721



12.0716, 0.2895, 0.4768

Sweetspot

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



12.0720, 0.1967, 0.1964



48.9961, 0.2763, 0.2960



28.3513, 0.2672, 0.4511



10.1963, 0.2707, 0.2905



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.0720, 0.1967, 0.1964



16.3566, 0.1801, 0.1629



4.6370, 0.1717, 0.0944



7.3905, 0.2987, 0.3169



6.3408, 0.1759, 0.1532



0.2278, 0.1949, 0.2217

Inverse Universe

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



10.3502, 0.4439, 0.2483



15.8793, 0.4882, 0.2512



34.8447, 0.4080, 0.4916



7.1395, 0.3214, 0.3183



6.4842, 0.5018, 0.2538



0.1458, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 12.0716, 0.1967, 0.1964 looks on a white 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

Black Background



This preview shows how the Yxy color 12.0716, 0.1967, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

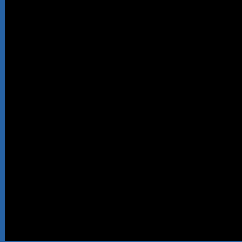
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0716, 0.1967, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 12.0716, 0.1967, 0.1964.



This preview shows how white text looks on a background with the Yxy color 12.0716, 0.1967, 0.1964.

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

12.0716, 0.1967, 0.1964

Protanopia

12.0597, 0.2158, 0.1994

Deuteranopia

12.0563, 0.2000, 0.1955



Tritanopia

11.9861, 0.2190, 0.3082

Trichromacy



Original Color

12.0716, 0.1967, 0.1964

Protanomaly

11.9042, 0.2077, 0.1976

Deuteranomaly

11.9875, 0.1985, 0.1951

Tritanomaly

11.9177, 0.2082, 0.2602

Monochromacy



Original Color

12.0716, 0.1967, 0.1964

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.4526, 0.2525, 0.2714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0716, 0.1967, 0.1964 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(39, 99, 165)` looks like.

```
.text, #text, p{  
    color:rgb(39, 99, 165)  
}
```

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(39, 99, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 99, 165) }
```

Border

The CSS property to change the border of an element to Yxy 12.0716, 0.1967, 0.1964 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(39, 99, 165) }
```

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

```
.border{ border-color:rgb(39, 99, 165) }
```

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

Here you see how a box with a 4 pixel rgb(39, 99, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 99, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 99, 165);  
box-shadow:4px 4px 4px 4px rgb(39, 99,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0716, 0.1967, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 99, 165) }
```

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

```
.background{ background-color: rgb(39, 99,  
165) }
```

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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