

Converting Colors

$Yxy(17.9694, 0.1791, 0.1525)$

Have a look what the booklet for
Yxy(17.9694, 0.1791, 0.1525)
contains.

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Color

Yxy(17.9598, 0.1792, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	2171E8
RGB	33, 113, 232
RGB Percent	13%, 44%, 91%
CMY	0.8696, 0.5569, 0.0902
CMYK	0.86, 0.51, 0.00, 0.09
HSL	216°, 81%, 52%
HSV	216°, 86%, 91%
XYZ	21.1042, 17.9598, 78.7051
YIQ	102.6460, -85.8790, 20.0490

Conversions

Conversions Part 2

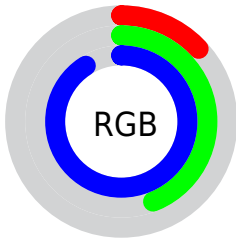
Format	Color
R _Y B	33, 90, 232
Decimal	2191848
CIE Lab	49.45, 20.67, -66.65
CIE LCh	49, 69.783, 287.230
Yxy	17.9598, 0.1792, 0.1525
Android (android.graphics.Color)	4280381928 (0xFF2171E8)
YUV	102.6460, 63.7715, -61.0795
Hunter-Lab	42.3790, 14.7276, -80.4465

Details

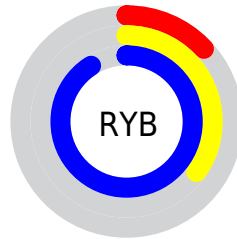
The Yxy color **17.9598, 0.1792, 0.1525** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **39.8152, 0.4904, 0.4355**, and the grayscale version is **13.3293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4158, 0.2186, 0.2131**, and **6.9916, 0.1668, 0.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.8318, 0.1708, 0.1322**, and if you desaturate by 10%, it is **21.8270, 0.1905, 0.1747**.

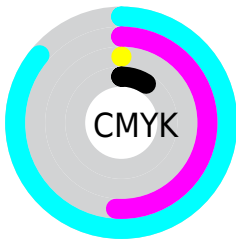
Distribution



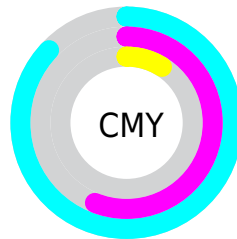
- Red (13%)
- Green (44%)
- Blue (91%)



- Red (13%)
- Yellow (35%)
- Blue (91%)



- Cyan (86%)
- Magenta (51%)
- Yellow (0%)
- Black (9%)





- Cyan (87%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9598, 0.1792, 0.1525 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 17.9598, 0.1792, 0.1525 by changing the saturation by 10% instead.


 17.9598, 0.1792,
0.1525


 17.9598, 0.1792,
0.1525


240.6444, 0.2502,
0.2403


 10.9211, 0.1616,
0.1326


 39.9688, 0.2052,
0.1833

 6.0138, 0.1398,
0.1089


 55.7079, 0.2150,
0.1953

 2.8535, 0.1127,
0.0810

 75.1160, 0.2232,
0.2055

 1.0557, 0.0798,
0.0500

 98.5774, 0.2303,
0.2144

 0.0000, 0.0388,
0.0000

 126.4766, 0.2363,
0.2222

 0.0000, 0.0000,
0.0000

159.1979, 0.2416,

0.2290

197.1257, 0.2462,
0.2350

■ 17.9598, 0.1792,
0.1525

■ 17.9598, 0.1792,
0.1525

■ 14.8318, 0.1708,
0.1322

■ 21.8270, 0.1905,
0.1747

■ 13.6678, 0.1678,
0.1241

■ 26.4988, 0.2042,
0.1980

■ 32.0322, 0.2198,
0.2214

■ 38.4778, 0.2366,
0.2442

■ 45.8811, 0.2539,
0.2658

■ 54.2846, 0.2712,
0.2859

■ 63.7276, 0.2880,
0.3041

■ 74.2473, 0.3040,
0.3205

■ 85.8788, 0.3191,
0.3351

Harmonies

Analogous

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



17.9598, 0.1277, 0.1590



17.9598, 0.1792, 0.1525



17.9598, 0.2758, 0.1759

Triad

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



17.9598, 0.1792, 0.1525



17.9598, 0.5626, 0.3715



17.9598, 0.1962, 0.4726

Complementary

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



17.9598, 0.1792, 0.1525



39.8152, 0.4904, 0.4355

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.



17.9598, 0.3006, 0.5769



17.9598, 0.1792, 0.1525



17.9598, 0.5108, 0.4581

Square

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



17.9598, 0.1792, 0.1525



17.9598, 0.5299, 0.2950



17.9598, 0.4131, 0.5461



17.9598, 0.1312, 0.3099

Rectangle

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



17.9598, 0.1792, 0.1525



17.9598, 0.3642, 0.2069



17.9598, 0.4131, 0.5461



17.9598, 0.2281, 0.5218

Sweetspot

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



17.9603, 0.1792, 0.1525



66.7523, 0.2704, 0.2850



60.2223, 0.2618, 0.4513



13.4854, 0.2644, 0.2782



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.



17.9603, 0.1792, 0.1525



16.7804, 0.1676, 0.1232



7.6016, 0.1626, 0.0753



14.8314, 0.2981, 0.3145



7.8183, 0.1686, 0.1270



0.7557, 0.1767, 0.1560

Inverse Universe

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



19.4509, 0.4995, 0.2639



22.2251, 0.5422, 0.2760



72.3448, 0.4034, 0.5093



14.4633, 0.3230, 0.3196



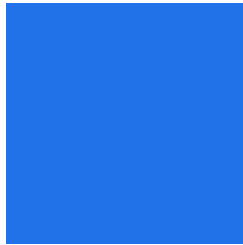
9.9870, 0.5368, 0.2731



0.7560, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 17.9598, 0.1792, 0.1525 looks on a white background.

Color Contrast Check

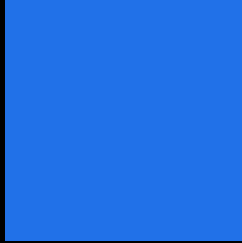
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9598, 0.1792, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

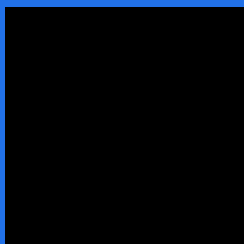
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

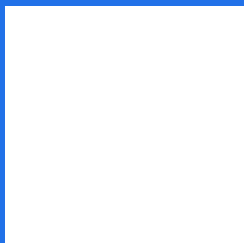
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.9598, 0.1792, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 17.9598, 0.1792, 0.1525.



This preview shows how white text looks on a background with the Yxy color 17.9598, 0.1792, 0.1525.

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

17.9598, 0.1792, 0.1525

Protanopia

18.0678, 0.1804, 0.1530

Deuteranopia

17.6986, 0.1840, 0.1823



Tritanopia

17.8002, 0.2198, 0.3113

Trichromacy



Original Color

17.9598, 0.1792, 0.1525

Protanomaly

18.0298, 0.1800, 0.1528

Deuteranomaly

17.7586, 0.1817, 0.1707

Tritanomaly

17.4720, 0.2003, 0.2364

Monochromacy



Original Color

17.9598, 0.1792, 0.1525

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3371, 0.2352, 0.2425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9598, 0.1792, 0.1525 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(33, 113, 232)` looks like.

```
.text, #text, p{  
  color:rgb(33, 113, 232)  
}
```

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(33, 113, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 113, 232) }
```

Border

The CSS property to change the border of an element to Yxy 17.9598, 0.1792, 0.1525 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(33, 113, 232) }
```

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

```
.border{ border-color:rgb(33, 113, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 113, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 113, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 113, 232);  
box-shadow:4px 4px 4px 4px rgb(33, 113,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9598, 0.1792, 0.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 113, 232) }
```

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

```
.background{ background-color: rgb(33, 113,  
232) }
```

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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