

Converting Colors

$Yxy(18.2127, 0.1825, 0.1633)$

Have a look what the booklet for
Yxy(18.2127, 0.1825, 0.1633)
contains.

Yxy(18.2127, 0.1825, 0.1633)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.2127, 0.1825, 0.1633)

Conversions

Conversions Part 1

Format	Color
Hex	2274E0
RGB	34, 116, 224
RGB Percent	13%, 45%, 88%
CMY	0.8674, 0.5450, 0.1216
CMYK	0.85, 0.48, 0.00, 0.12
HSL	214°, 75%, 51%
HSV	214°, 85%, 88%
XYZ	20.3541, 18.2127, 72.9623
YIQ	103.7940, -83.5400, 16.2040

Conversions

Conversions Part 2

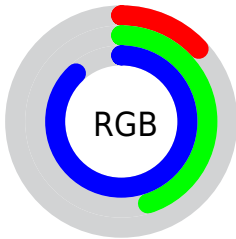
Format	Color
R_{YB}	34, 91, 224
Decimal	2258144
CIE _{Lab}	49.75, 15.72, -61.65
CIE _{LCh}	50, 63.621, 284.307
Yxy	18.2127, 0.1825, 0.1633
Android (android.graphics.Color)	4280448224 (0xFF2274E0)
YUV	103.7940, 59.2616, -61.2093
Hunter-Lab	42.6763, 10.4502, -71.4927

Details

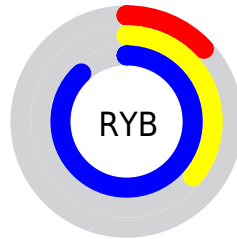
The Yxy color **18.2127, 0.1825, 0.1633** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.2429, 0.4955, 0.4294**, and the grayscale version is **13.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3681, 0.2185, 0.2167**, and **7.0834, 0.1696, 0.1307** is the 20% darker color. If you saturate the color by 10%, you get **15.2160, 0.1740, 0.1433**, and if you desaturate by 10%, it is **21.8589, 0.1937, 0.1848**.

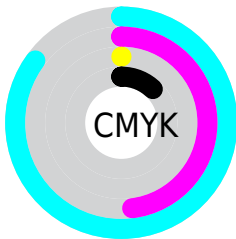
Distribution



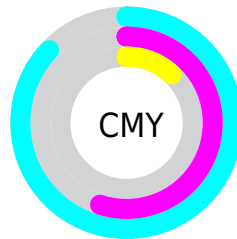
- Red (13%)
- Green (45%)
- Blue (88%)



- Red (13%)
- Yellow (36%)
- Blue (88%)



- Cyan (85%)
- Magenta (48%)
- Yellow (0%)
- Black (12%)



- Cyan (87%)
- Magenta (55%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2127, 0.1825, 0.1633 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 18.2127, 0.1825, 0.1633 by changing the saturation by 10% instead.

■ 18.2127, 0.1825,
0.1633

■ 18.2127, 0.1825,
0.1633

242.0672, 0.2520,
0.2474

■ 11.1028, 0.1651,
0.1436

■ 40.3994, 0.2081,
0.1932

■ 6.1360, 0.1432,
0.1197

■ 56.2450, 0.2177,
0.2047

■ 2.9280, 0.1158,
0.0910

■ 75.7714, 0.2258,
0.2145

■ 1.0942, 0.0820,
0.0580

■ 99.3628, 0.2326,
0.2230

■ 0.0000, 0.0362,
0.0000

■ 127.4037, 0.2385,
0.2303

■ 0.0000, 0.0000,
0.0000

160.2784, 0.2436,

0.2367

198.3715, 0.2481,
0.2423

■ 18.2127, 0.1825,
0.1633

■ 18.2127, 0.1825,
0.1633

■ 15.2160, 0.1740,
0.1433

■ 21.8589, 0.1937,
0.1848

■ 13.8992, 0.1705,
0.1338

■ 26.2101, 0.2072,
0.2070

■ 31.3154, 0.2224,
0.2291

■ 37.2179, 0.2389,
0.2506

■ 43.9569, 0.2558,
0.2709

■ 51.5686, 0.2728,
0.2896

■ 60.0869, 0.2893,
0.3067

■ 69.5435, 0.3052,
0.3221

■ 79.9686, 0.3202,
0.3357

Harmonies

Analogous

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



18.2127, 0.1366, 0.1734



18.2127, 0.1825, 0.1633



18.2127, 0.2690, 0.1828

Triad

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



18.2127, 0.1825, 0.1633



18.2127, 0.5442, 0.3662



18.2127, 0.2157, 0.4712

Complementary

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



18.2127, 0.1825, 0.1633



35.2429, 0.4955, 0.4294

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.



18.2127, 0.3160, 0.5546



18.2127, 0.1825, 0.1633



18.2127, 0.5064, 0.4464

Square

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



18.2127, 0.1825, 0.1633



18.2127, 0.5029, 0.2932



18.2127, 0.4206, 0.5251



18.2127, 0.1487, 0.3265

Rectangle

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



18.2127, 0.1825, 0.1633



18.2127, 0.3482, 0.2108



18.2127, 0.4206, 0.5251



18.2127, 0.2469, 0.5117

Sweetspot

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



18.2132, 0.1825, 0.1633



68.8912, 0.2723, 0.2891



55.5878, 0.2632, 0.4549



13.9453, 0.2663, 0.2827



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.



18.2132, 0.1825, 0.1633



18.4211, 0.1702, 0.1325



7.1066, 0.1625, 0.0761



14.2129, 0.2981, 0.3153



8.3094, 0.1713, 0.1366



0.7514, 0.1796, 0.1666

Inverse Universe

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



18.2412, 0.4858, 0.2572



22.3908, 0.5292, 0.2689



67.3210, 0.4056, 0.5067



13.7984, 0.3225, 0.3189



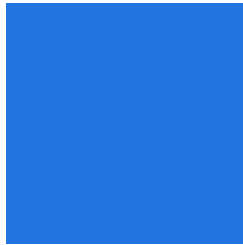
9.7469, 0.5237, 0.2658



0.6933, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 18.2127, 0.1825, 0.1633 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 18.2127, 0.1825, 0.1633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

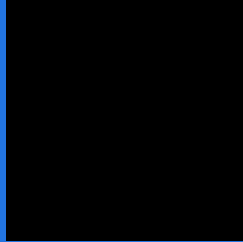
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

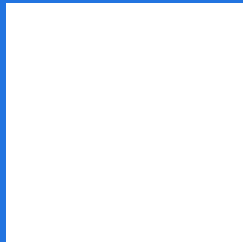
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.2127, 0.1825, 0.1633

Background



This preview shows how black text looks on a background with the Yxy color 18.2127, 0.1825, 0.1633.



This preview shows how white text looks on a background with the Yxy color 18.2127, 0.1825, 0.1633.

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

18.2127, 0.1825, 0.1633

Protanopia

18.2384, 0.1896, 0.1647

Deuteranopia

18.0861, 0.1836, 0.1810



Tritanopia

18.0967, 0.2198, 0.3114

Trichromacy



Original Color

18.2127, 0.1825, 0.1633

Protanomaly

18.2673, 0.1866, 0.1642

Deuteranomaly

18.1781, 0.1828, 0.1748

Tritanomaly

17.9022, 0.2024, 0.2437

Monochromacy



Original Color

18.2127, 0.1825, 0.1633

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4829, 0.2371, 0.2479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2127, 0.1825, 0.1633 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(34, 116, 224)` looks like.

```
.text, #text, p{  
    color:rgb(34, 116, 224)  
}
```

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(34, 116, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 116, 224) }
```

Border

The CSS property to change the border of an element to Yxy 18.2127, 0.1825, 0.1633 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(34, 116, 224) }
```

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

```
.border{ border-color:rgb(34, 116, 224) }
```

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

Here you see how a box with a 4 pixel rgb(34, 116, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 116, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 116, 224);  
box-shadow:4px 4px 4px 4px rgb(34, 116,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2127, 0.1825, 0.1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 116, 224) }
```

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

```
.background{ background-color: rgb(34, 116,  
224) }
```

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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