

Converting Colors

$Y_{xy}(20.7166, 0.1965, 0.2052)$

Have a look what the booklet for
Yxy(20.7166, 0.1965, 0.2052)
contains.

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Color

Yxy(20.8653, 0.1965, 0.2055)

Conversions

Conversions Part 1

Format	Color
Hex	2A82CD
RGB	42, 130, 205
RGB Percent	16%, 51%, 80%
CMY	0.8356, 0.4901, 0.1962
CMYK	0.80, 0.37, 0.00, 0.20
HSL	208°, 66%, 48%
HSV	208°, 80%, 80%
XYZ	19.9515, 20.8653, 60.7175
YIQ	112.2380, -76.5230, 4.6690

Conversions

Conversions Part 2

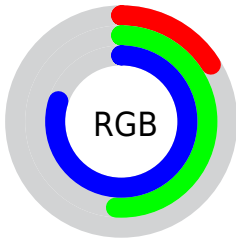
Format	Color
R _Y B	42, 99, 205
Decimal	2785997
CIE Lab	52.80, 0.60, -46.00
CIE LCh	53, 46.000, 270.741
Yxy	20.8653, 0.1965, 0.2055
Android (android.graphics.Color)	4280976077 (0xFF2A82CD)
YUV	112.2380, 45.7317, -61.5987
Hunter-Lab	45.6786, -1.9722, -46.8353

Details

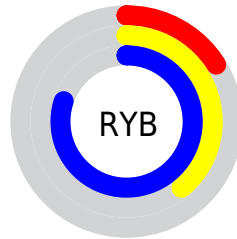
The Yxy color **20.8653, 0.1965, 0.2055** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark muted azure. A complement of this color would be **25.8361, 0.5048, 0.4084**, and the grayscale version is **16.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5317, 0.2226, 0.2379**, and **8.0869, 0.1816, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **18.1461, 0.1877, 0.1879**, and if you desaturate by 10%, it is **24.0361, 0.2075, 0.2235**.

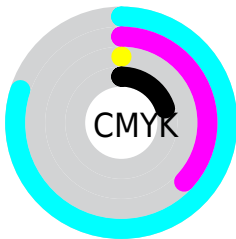
Distribution



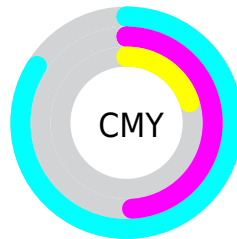
- Red (16%)
- Green (51%)
- Blue (80%)



- Red (16%)
- Yellow (39%)
- Blue (80%)



- Cyan (80%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8653, 0.1965, 0.2055 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 20.8653, 0.1965, 0.2055 by changing the saturation by 10% instead.

■ 20.8653, 0.1965,
0.2055

■ 20.8653, 0.1965,
0.2055

■ 256.5618, 0.2584,
0.2712

■ 13.0256, 0.1805,
0.1886

■ 44.8632, 0.2196,
0.2299

■ 7.4462, 0.1601,
0.1670

■ 61.7903, 0.2281,
0.2390

■ 3.7427, 0.1335,
0.1390

■ 82.5152, 0.2352,
0.2465

■ 1.5307, 0.0989,
0.1026

■ 107.4223, 0.2413,
0.2530

■ 0.3102, 0.0431,
0.0432

■ 136.8962, 0.2465,
0.2585

■ 0.0000, 0.0000,
0.0000

171.3211, 0.2510,

0.2633

211.0815, 0.2549,
0.2675

■ 20.8653, 0.1965,
0.2055

■ 20.8653, 0.1965,
0.2055

■ 18.1461, 0.1877,
0.1879

■ 24.0361, 0.2075,
0.2235

■ 15.8180, 0.1809,
0.1711

■ 27.6921, 0.2205,
0.2413

■ 15.7198, 0.1807,
0.1703

■ 31.8647, 0.2349,
0.2587

■ 36.5815, 0.2503,
0.2753

■ 41.8675, 0.2662,
0.2907

■ 47.7462, 0.2822,
0.3050

■ 54.2392, 0.2980,
0.3179

■ 61.3669, 0.3134,
0.3295

■ 69.1490, 0.3281,
0.3398

Harmonies

Analogous

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



20.8653, 0.1721, 0.2293



20.8653, 0.1965, 0.2055



20.8653, 0.2502, 0.2094

Triad

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



20.8653, 0.1965, 0.2055



20.8653, 0.4698, 0.3396



20.8653, 0.2801, 0.4558

Complementary

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



20.8653, 0.1965, 0.2055



25.8361, 0.5048, 0.4084

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.



20.8653, 0.3593, 0.4844



20.8653, 0.1965, 0.2055



20.8653, 0.4736, 0.4002

Square

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



20.8653, 0.1965, 0.2055



20.8653, 0.4141, 0.2827



20.8653, 0.4305, 0.4557



20.8653, 0.2140, 0.3733

Rectangle

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



20.8653, 0.1965, 0.2055



20.8653, 0.3009, 0.2253



20.8653, 0.4305, 0.4557



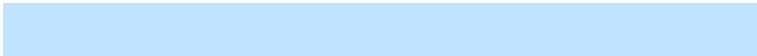
20.8653, 0.3061, 0.4727

Sweetspot

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



20.8660, 0.1965, 0.2055



73.5274, 0.2746, 0.2984



45.3859, 0.2726, 0.4779



15.0059, 0.2688, 0.2932



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.



20.8660, 0.1965, 0.2055



27.1393, 0.1831, 0.1767



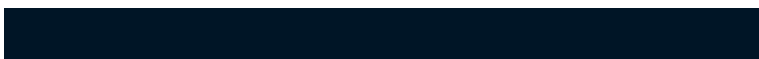
7.1841, 0.1665, 0.0912



11.8313, 0.2983, 0.3181



9.9810, 0.1813, 0.1727



0.6657, 0.1905, 0.2059

Inverse Universe

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



16.2376, 0.4355, 0.2355



23.5439, 0.4720, 0.2396



52.9942, 0.4194, 0.4883



11.3133, 0.3207, 0.3165



8.8106, 0.4773, 0.2403



0.4697, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 20.8653, 0.1965, 0.2055 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 20.8653, 0.1965, 0.2055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

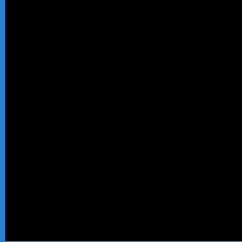
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8653, 0.1965, 0.2055

Background



This preview shows how black text looks on a background with the Yxy color 20.8653, 0.1965, 0.2055.



This preview shows how white text looks on a background with the Yxy color 20.8653, 0.1965, 0.2055.

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

20.8653, 0.1965, 0.2055

Protanopia

20.7845, 0.2237, 0.2094

Deuteranopia

20.8338, 0.2069, 0.2012



Tritanopia

20.6672, 0.2184, 0.3063

Trichromacy



Original Color

20.8653, 0.1965, 0.2055

Protanomaly

20.7165, 0.2108, 0.2073

Deuteranomaly

20.6591, 0.2018, 0.2012

Tritanomaly

20.6122, 0.2084, 0.2642

Monochromacy



Original Color

20.8653, 0.1965, 0.2055

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.2952, 0.2506, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8653, 0.1965, 0.2055 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(42, 130, 205)` looks like.

```
.text, #text, p{  
    color:rgb(42, 130, 205)  
}
```

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(42, 130, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 130, 205) }
```

Border

The CSS property to change the border of an element to Yxy 20.8653, 0.1965, 0.2055 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(42, 130, 205) }
```

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

```
.border{ border-color:rgb(42, 130, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 130, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 130, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 130, 205);  
box-shadow:4px 4px 4px 4px rgb(42, 130,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8653, 0.1965, 0.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 130, 205) }
```

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

```
.background{ background-color: rgb(42, 130,  
205) }
```

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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