

Converting Colors

$Yxy(20.4217, 0.2026, 0.2258)$

Have a look what the booklet for
Yxy(20.4217, 0.2026, 0.2258)
contains.

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Color

Yxy(20.4217, 0.2026, 0.2258)

Conversions

Conversions Part 1

Format	Color
Hex	2983BE
RGB	41, 131, 190
RGB Percent	16%, 51%, 75%
CMY	0.8395, 0.4863, 0.2549
CMYK	0.78, 0.31, 0.00, 0.25
HSL	204°, 65%, 45%
HSV	204°, 78%, 75%
XYZ	18.3235, 20.4217, 51.6964
YIQ	110.8160, -72.5790, -0.7310

Conversions

Conversions Part 2

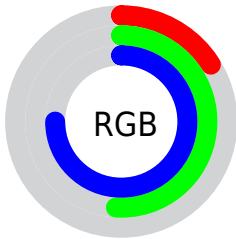
Format	Color
RYB	41, 97, 190
Decimal	2720702
CIELab	52.31, -5.60, -38.25
CIELCh	52, 38.657, 261.669
Yxy	20.4217, 0.2026, 0.2258
Android (android.graphics.Color)	4280910782 (0xFF2983BE)
YUV	110.8160, 39.0377, -61.2286
Hunter-Lab	45.1904, -6.7063, -36.1927

Details

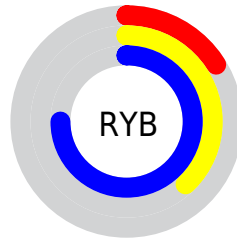
The Yxy color **20.4217, 0.2026, 0.2258** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.2103, 0.5134, 0.3962**, and the grayscale version is **15.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2476, 0.2249, 0.2473**, and **7.8122, 0.1880, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **18.1746, 0.1943, 0.2106**, and if you desaturate by 10%, it is **23.0051, 0.2130, 0.2411**.

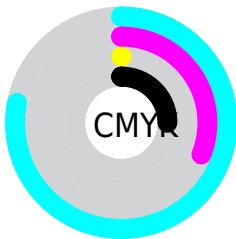
Distribution



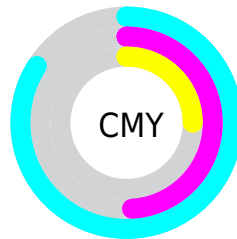
- Red (16%)
- Green (51%)
- Blue (75%)



- Red (16%)
- Yellow (38%)
- Blue (75%)



- Cyan (78%)
- Magenta (31%)
- Yellow (0%)
- Black (25%)



- Cyan (84%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4217, 0.2026, 0.2258 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 20.4217, 0.2026, 0.2258 by changing the saturation by 10% instead.

■ 20.4217, 0.2026,
0.2258

■ 20.4217, 0.2026,
0.2258

254.1890, 0.2619,
0.2824

■ 12.7019, 0.1869,
0.2104

■ 44.1231, 0.2249,
0.2474

■ 7.2236, 0.1665,
0.1902

■ 60.8735, 0.2331,
0.2552

■ 3.6023, 0.1395,
0.1628

■ 81.4029, 0.2399,
0.2617

■ 1.4537, 0.1031,
0.1249

■ 106.0957, 0.2457,
0.2672

■ 0.2558, 0.0213,
0.0512

■ 135.3364, 0.2506,
0.2718

■ 0.0000, 0.0000,
0.0000

169.5092, 0.2549,

0.2758

208.9986, 0.2586,
0.2793

■ 20.4217, 0.2026,
0.2258

■ 20.4217, 0.2026,
0.2258

■ 18.1746, 0.1943,
0.2106

■ 23.0051, 0.2130,
0.2411

■ 16.2198, 0.1880,
0.1958

■ 25.9499, 0.2251,
0.2562

■ 15.9351, 0.1871,
0.1936

■ 29.2799, 0.2388,
0.2709

■ 33.0162, 0.2534,
0.2848

■ 37.1776, 0.2687,
0.2978

■ 41.7819, 0.2843,
0.3097

■ 46.8454, 0.2998,
0.3206

■ 52.3836, 0.3150,
0.3304

■ 58.4111, 0.3298,
0.3392

Harmonies

Analogous

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



20.4217, 0.1888, 0.2563



20.4217, 0.2026, 0.2258



20.4217, 0.2426, 0.2215

Triad

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



20.4217, 0.2026, 0.2258



20.4217, 0.4357, 0.3245



20.4217, 0.3068, 0.4472

Complementary

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



20.4217, 0.2026, 0.2258



20.2103, 0.5134, 0.3962

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.



20.4217, 0.3749, 0.4578



20.4217, 0.2026, 0.2258



20.4217, 0.4540, 0.3777

Square

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



20.4217, 0.2026, 0.2258



20.4217, 0.3785, 0.2760



20.4217, 0.4296, 0.4272



20.4217, 0.2439, 0.3896

Rectangle

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



20.4217, 0.2026, 0.2258



20.4217, 0.2826, 0.2313



20.4217, 0.4296, 0.4272



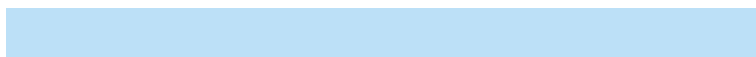
20.4217, 0.3298, 0.4564

Sweetspot

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



20.4224, 0.2026, 0.2258



70.6595, 0.2751, 0.3028



38.1845, 0.2778, 0.4925



14.8727, 0.2694, 0.2983



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.4224, 0.2026, 0.2258



30.3880, 0.1898, 0.2001



7.2472, 0.1714, 0.1058



10.1584, 0.2984, 0.3197



10.7513, 0.1876, 0.1955



0.5455, 0.1975, 0.2310

Inverse Universe

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



14.1685, 0.4139, 0.2244



22.5525, 0.4446, 0.2248



40.8487, 0.4274, 0.4783



9.6306, 0.3196, 0.3152



8.1150, 0.4504, 0.2255



0.3304, 0.4116, 0.2041

Previews

White Background



This preview shows how the Yxy color 20.4217, 0.2026, 0.2258 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 20.4217, 0.2026, 0.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

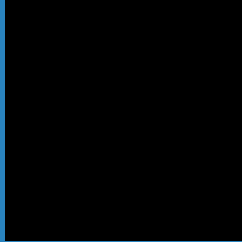
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

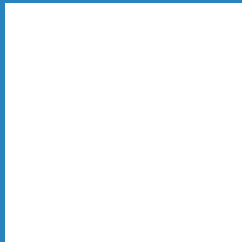
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4217, 0.2026, 0.2258

Background



This preview shows how black text looks on a background with the Yxy color 20.4217, 0.2026, 0.2258.



This preview shows how white text looks on a background with the Yxy color 20.4217, 0.2026, 0.2258.

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

20.4217, 0.2026, 0.2258

Protanopia

20.2395, 0.2388, 0.2290

Deuteranopia

20.3947, 0.2227, 0.2169



Tritanopia

20.3469, 0.2184, 0.3062

Trichromacy



Original Color

20.4217, 0.2026, 0.2258

Protanomaly

19.9193, 0.2211, 0.2260

Deuteranomaly

20.3180, 0.2134, 0.2205

Tritanomaly

20.1098, 0.2107, 0.2723

Monochromacy



Original Color

20.4217, 0.2026, 0.2258

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.8288, 0.2545, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4217, 0.2026, 0.2258 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(41, 131, 190)` looks like.

```
.text, #text, p{  
  color:rgb(41, 131, 190)  
}
```

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(41, 131, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 131, 190) }
```

Border

The CSS property to change the border of an element to Yxy 20.4217, 0.2026, 0.2258 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(41, 131, 190) }
```

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

```
.border{ border-color:rgb(41, 131, 190) }
```

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

Here you see how a box with a 4 pixel rgb(41, 131, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 131, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 131, 190);  
box-shadow:4px 4px 4px 4px rgb(41, 131,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4217, 0.2026, 0.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 131, 190) }
```

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

```
.background{ background-color: rgb(41, 131,  
190) }
```

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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