

Converting Colors

$Y_{xy}(17.7422, 0.2058, 0.2095)$

Have a look what the booklet for
Yxy(17.7422, 0.2058, 0.2095)
contains.

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Color

Yxy(17.7422, 0.2058, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	3C77BB
RGB	60, 119, 187
RGB Percent	24%, 47%, 73%
CMY	0.7647, 0.5333, 0.2667
CMYK	0.68, 0.36, 0.00, 0.27
HSL	212°, 51%, 48%
HSV	212°, 68%, 73%
XYZ	17.4289, 17.7422, 49.5173
YIQ	109.1110, -56.9920, 8.6400

Conversions

Conversions Part 2

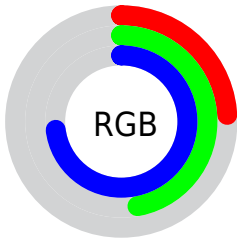
Format	Color
R _Y B	60, 100, 187
Decimal	3962811
CIE Lab	49.18, 3.11, -41.42
CIE LCh	49, 41.536, 274.288
Yxy	17.7422, 0.2058, 0.2095
Android (android.graphics.Color)	4282152891 (0xFF3C77BB)
YUV	109.1110, 38.3993, -43.0703
Hunter-Lab	42.1215, 0.1464, -40.2152

Details

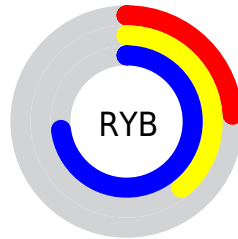
The Yxy color **17.7422, 0.2058, 0.2095** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.3244, 0.4594, 0.4167**, and the grayscale version is **15.2269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6505, 0.2280, 0.2339**, and **6.1999, 0.1815, 0.1735** is the 20% darker color. If you saturate the color by 10%, you get **15.0010, 0.1933, 0.1888**, and if you desaturate by 10%, it is **20.9413, 0.2201, 0.2302**.

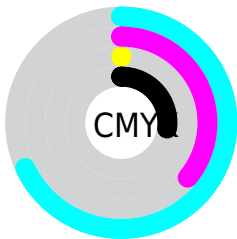
Distribution



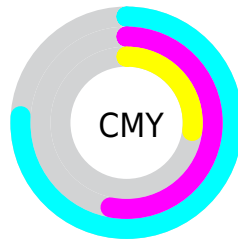
- Red (24%)
- Green (47%)
- Blue (73%)



- Red (24%)
- Yellow (39%)
- Blue (73%)



- Cyan (68%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (76%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7422, 0.2058, 0.2095 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 17.7422, 0.2058, 0.2095 by changing the saturation by 10% instead.

■ 17.7422, 0.2058,
0.2095

■ 17.7422, 0.2058,
0.2095

■ 239.4139, 0.2647,
0.2747

■ 10.7651, 0.1897,
0.1920

■ 39.5975, 0.2283,
0.2342

■ 5.9091, 0.1687,
0.1692

■ 55.2445, 0.2365,
0.2432

■ 2.7899, 0.1403,
0.1389

■ 74.5503, 0.2432,
0.2507

■ 1.0230, 0.1018,
0.0984

■ 97.8992, 0.2489,
0.2570

■ 0.0000, 0.0000,
0.0000

■ 125.6756, 0.2538,
0.2624

158.2639, 0.2579,

0.2671

196.0486, 0.2615,
0.2711

■ 17.7422, 0.2058,
0.2095

■ 17.7422, 0.2058,
0.2095

■ 15.0010, 0.1933,
0.1888

■ 20.9413, 0.2201,
0.2302

■ 12.6855, 0.1832,
0.1687

■ 24.6234, 0.2357,
0.2504

■ 10.7529, 0.1754,
0.1498

■ 28.8134, 0.2520,
0.2695

■ 10.3860, 0.1739,
0.1460

■ 33.5338, 0.2685,
0.2874

■ 38.8054, 0.2848,
0.3037

■ 44.6477, 0.3007,
0.3184

■ 51.0793, 0.3158,
0.3316

■ 58.1176, 0.3301,
0.3433

■ 65.7796, 0.3434,
0.3536

Harmonies

Analogous

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



17.7422, 0.1788, 0.2295



17.7422, 0.2058, 0.2095



17.7422, 0.2610, 0.2160

Triad

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



17.7422, 0.2058, 0.2095



17.7422, 0.4658, 0.3468



17.7422, 0.2735, 0.4418

Complementary

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



17.7422, 0.2058, 0.2095



26.3244, 0.4594, 0.4167

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.



17.7422, 0.3491, 0.4768



17.7422, 0.2058, 0.2095



17.7422, 0.4640, 0.4051

Square

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



17.7422, 0.2058, 0.2095



17.7422, 0.4178, 0.2910



17.7422, 0.4191, 0.4559



17.7422, 0.2126, 0.3609

Rectangle

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



17.7422, 0.2058, 0.2095



17.7422, 0.3112, 0.2330



17.7422, 0.4191, 0.4559



17.7422, 0.2981, 0.4602

Sweetspot

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



17.7428, 0.2058, 0.2095



67.1407, 0.2809, 0.2999



38.0508, 0.2672, 0.4324



14.1909, 0.2763, 0.2953



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



17.7428, 0.2058, 0.2095



24.5344, 0.1875, 0.1778



7.9160, 0.1856, 0.1156



9.9364, 0.2984, 0.3164



7.2980, 0.1745, 0.1482



0.4168, 0.1873, 0.1941

Inverse Universe

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



15.1271, 0.4268, 0.2538



22.4685, 0.4676, 0.2500



45.9035, 0.4002, 0.4827



9.6082, 0.3217, 0.3184



7.7664, 0.5082, 0.2573



0.3174, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 17.7422, 0.2058, 0.2095 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 17.7422, 0.2058, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

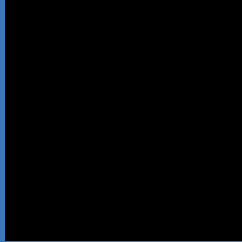
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7422, 0.2058, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 17.7422, 0.2058, 0.2095.

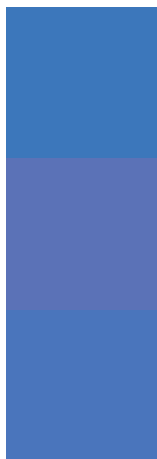


This preview shows how white text looks on a background with the Yxy color 17.7422, 0.2058, 0.2095.

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

17.7422, 0.2058, 0.2095

Protanopia

17.6777, 0.2254, 0.2110

Deuteranopia

17.8093, 0.2120, 0.2068



Tritanopia

17.7713, 0.2232, 0.3072

Trichromacy



Original Color

17.7422, 0.2058, 0.2095

Protanomaly

17.6569, 0.2176, 0.2111

Deuteranomaly

17.8529, 0.2096, 0.2077

Tritanomaly

17.4796, 0.2151, 0.2661

Monochromacy



Original Color

17.7422, 0.2058, 0.2095

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8405, 0.2607, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7422, 0.2058, 0.2095 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(60, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(60, 119, 187)  
}
```

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(60, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 119, 187) }
```

Border

The CSS property to change the border of an element to Yxy 17.7422, 0.2058, 0.2095 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(60, 119, 187) }
```

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

```
.border{ border-color:rgb(60, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(60, 119, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(60, 119, 187); box-shadow:4px 4px 4px 4px rgb(60, 119, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7422, 0.2058, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 119, 187) }
```

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

```
.background{ background-color: rgb(60, 119,  
187) }
```

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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