

Converting Colors

$Y_{xy}(20.1738, 0.4403, 0.4659)$

Have a look what the booklet for
Yxy(20.1738, 0.4403, 0.4659)
contains.

Yxy(20.1188, 0.4407, 0.4657)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.1188, 0.4407, 0.4657)$

Conversions

Conversions Part 1

Format	Color
Hex	927A1D
RGB	146, 122, 29
RGB Percent	57%, 48%, 11%
CMY	0.4274, 0.5216, 0.8862
CMYK	0.00, 0.16, 0.80, 0.43
HSL	48°, 67%, 34%
HSV	48°, 80%, 57%
XYZ	19.0388, 20.1188, 4.0436
YIQ	118.5740, 44.1570, -23.8350

Conversions

Conversions Part 2

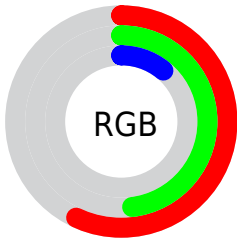
Format	Color
R _Y B	59, 146, 29
Decimal	9599517
CIE Lab	51.97, -0.43, 50.46
CIE LCh	52, 50.467, 90.485
Yxy	20.1188, 0.4407, 0.4657
Android (android.graphics.Color)	4287789597 (0xFF927A1D)
YUV	118.5740, -44.1600, 24.0526
Hunter-Lab	44.8540, -2.7282, 26.0527

Details

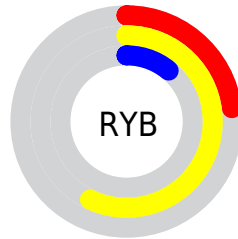
The Yxy color **20.1188, 0.4407, 0.4657** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8887, 0.1759, 0.1233**, and the grayscale version is **18.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5627, 0.4174, 0.4408**, and **7.1729, 0.4557, 0.4763** is the 20% darker color. If you saturate the color by 10%, you get **19.3387, 0.4514, 0.4710**, and if you desaturate by 10%, it is **20.9579, 0.4274, 0.4561**.

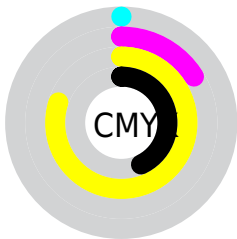
Distribution



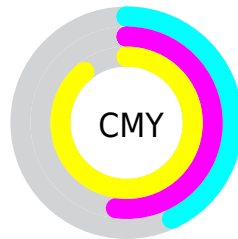
- Red (57%)
- Green (48%)
- Blue (11%)



- Red (23%)
- Yellow (57%)
- Blue (11%)



- Cyan (0%)
- Magenta (16%)
- Yellow (80%)
- Black (43%)





- Cyan (43%)
- Magenta (52%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1188, 0.4407, 0.4657 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 20.1188, 0.4407, 0.4657 by changing the saturation by 10% instead.


 20.1188, 0.4407,
0.4657

 20.1188, 0.4407,
0.4657


 252.5575, 0.3739,
0.3941


 12.4814, 0.4551,
0.4813


 43.6163, 0.4172,
0.4404

 7.0724, 0.4745,
0.5024


 60.2452, 0.4079,
0.4305


 3.5074, 0.4853,
0.5147

 80.6400, 0.4000,
0.4220

 1.4020, 0.4846,
0.5154

 105.1852, 0.3932,
0.4148

 0.2182, 0.4744,
0.5256

 134.2652, 0.3874,
0.4085

 0.0000, 0.0000,
0.0000

 168.2643, 0.3823,

0.4031

207.5669, 0.3778,
0.3983

20.1188, 0.4407,
0.4657

20.1188, 0.4407,
0.4657

19.3387, 0.4514,
0.4710

20.9579, 0.4274,
0.4561

18.6117, 0.4601,
0.4729

21.8574, 0.4120,
0.4426

22.8223, 0.3953,
0.4261

23.8560, 0.3780,
0.4076

24.9616, 0.3606,
0.3880

■ 26.1419, 0.3438,
0.3680

■ 27.3996, 0.3278,
0.3482

■ 28.7373, 0.3129,
0.3292

■ 30.1572, 0.2991,
0.3112

Harmonies

Analogous

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



20.1188, 0.4894, 0.4033



20.1188, 0.4407, 0.4657



20.1188, 0.3624, 0.5017

Triad

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



20.1188, 0.4407, 0.4657



20.1188, 0.1650, 0.2812



20.1188, 0.3296, 0.2281

Complementary

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



20.1188, 0.4407, 0.4657



4.8887, 0.1759, 0.1233

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.



20.1188, 0.2430, 0.1989



20.1188, 0.4407, 0.4657



20.1188, 0.1598, 0.2194

Square

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



20.1188, 0.4407, 0.4657



20.1188, 0.2042, 0.3788



20.1188, 0.1856, 0.1944



20.1188, 0.4244, 0.2772

Rectangle

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



20.1188, 0.4407, 0.4657



20.1188, 0.3043, 0.4911



20.1188, 0.1856, 0.1944



20.1188, 0.2983, 0.2158

Sweetspot

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



20.1198, 0.4407, 0.4657



45.1765, 0.3511, 0.3767



7.2630, 0.5297, 0.2966



9.9033, 0.3564, 0.3831



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.1198, 0.4407, 0.4657



33.0901, 0.4579, 0.4720



24.1562, 0.3731, 0.5210



6.5445, 0.3264, 0.3465



16.4048, 0.4598, 0.4731



0.2418, 0.4377, 0.4907

Inverse Universe

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



4.8887, 0.1759, 0.1233



5.5677, 0.1584, 0.0866



3.9858, 0.1947, 0.1017



5.8145, 0.2989, 0.3109



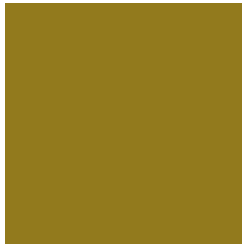
2.6702, 0.1566, 0.0839



0.0678, 0.1754, 0.1513

Previews

White Background



This preview shows how the Yxy color 20.1188, 0.4407, 0.4657 looks on a white background.

Color Contrast Check

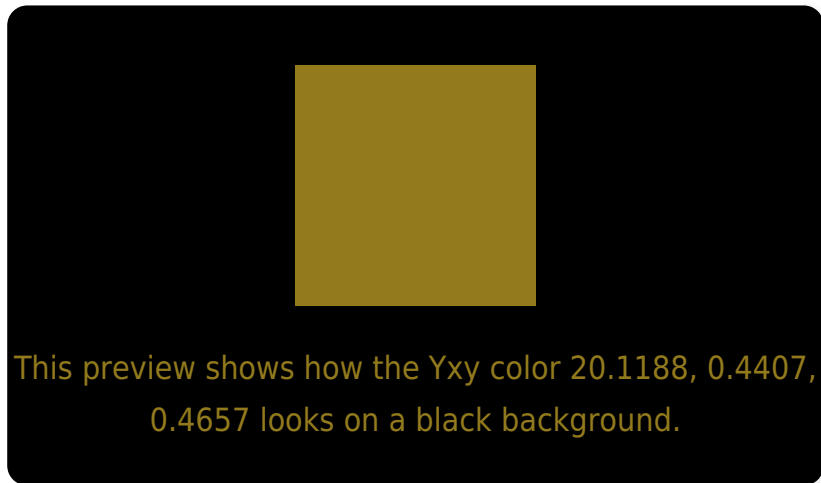
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

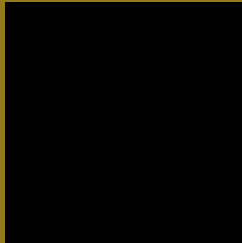
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1188, 0.4407, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 20.1188, 0.4407, 0.4657.



This preview shows how white text looks on a background with the Yxy color 20.1188, 0.4407, 0.4657.

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

20.1188, 0.4407, 0.4657

Protanopia

20.0845, 0.4297, 0.4727

Deuteranopia

20.1237, 0.4576, 0.4506



Tritanopia

20.1152, 0.3529, 0.3158

Trichromacy



Original Color

20.1188, 0.4407, 0.4657

Protanomaly

20.0104, 0.4336, 0.4697

Deuteranomaly

19.9628, 0.4518, 0.4560

Tritanomaly

19.9112, 0.3936, 0.3786

Monochromacy



Original Color

20.1188, 0.4407, 0.4657

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.7720, 0.3656, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1188, 0.4407, 0.4657 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(146, 122, 29)` looks like.

```
.text, #text, p{  
    color:rgb(146, 122, 29)  
}
```

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(146, 122, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 122, 29) }
```

Border

The CSS property to change the border of an element to Yxy 20.1188, 0.4407, 0.4657 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(146, 122, 29) }
```

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

```
.border{ border-color:rgb(146, 122, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 122, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 122, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 122, 29);  
box-shadow:4px 4px 4px 4px rgb(146, 122,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1188, 0.4407, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 122, 29) }
```

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

```
.background{ background-color: rgb(146,  
122, 29) }
```

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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