

Converting Colors

$Y_{xy}(20.6765, 0.4514, 0.4731)$

Have a look what the booklet for
Yxy(20.6765, 0.4514, 0.4731)
contains.

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Color

Yxy(20.6765, 0.4514, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	967B0C
RGB	150, 123, 12
RGB Percent	59%, 48%, 5%
CMY	0.4117, 0.5176, 0.9528
CMYK	0.00, 0.18, 0.92, 0.41
HSL	48°, 85%, 32%
HSV	48°, 92%, 59%
XYZ	19.7281, 20.6765, 3.2997
YIQ	118.4190, 51.7230, -28.7970

Conversions

Conversions Part 2

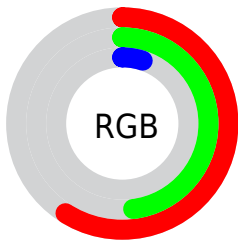
Format	Color
R_{YB}	46, 150, 12
Decimal	9861900
CIE Lab	52.59, 0.38, 55.91
CIE LCh	53, 55.912, 89.611
Yxy	20.6765, 0.4514, 0.4731
Android (android.graphics.Color)	4288051980 (0xFF967B0C)
YUV	118.4190, -52.4646, 27.6965
Hunter-Lab	45.4714, -2.1314, 27.5276

Details

The Yxy color **20.6765, 0.4514, 0.4731** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7339, 0.1622, 0.0949**, and the grayscale version is **18.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5248, 0.4277, 0.4483**, and **7.4651, 0.4591, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **20.0738, 0.4580, 0.4745**, and if you desaturate by 10%, it is **21.4696, 0.4415, 0.4686**.

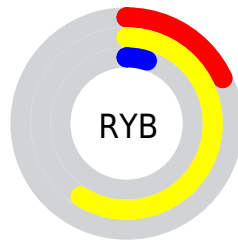
Distribution



Red (59%)

Green (48%)

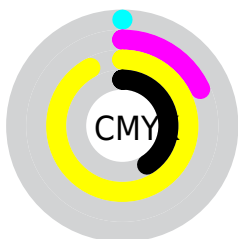
Blue (5%)



Red (18%)

Yellow (59%)

Blue (5%)

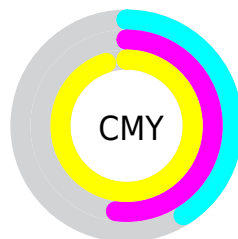


Cyan (0%)

Magenta (18%)

Yellow (92%)

Black (41%)



Cyan (41%)


Magenta (52%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6765, 0.4514, 0.4731 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 20.6765, 0.4514, 0.4731 by changing the saturation by 10% instead.


 20.6765, 0.4514,
0.4731


 20.6765, 0.4514,
0.4731

255.5542, 0.3808,
0.4000


 12.8877, 0.4653,
0.4874


 44.5485, 0.4273,
0.4483

 7.3513, 0.4880,
0.5106


 61.4006, 0.4176,
0.4382

 3.6828, 0.4890,
0.5110

 82.0425, 0.4092,
0.4295

 1.4977, 0.4896,
0.5104

 106.8587, 0.4019,
0.4219


 0.2871, 0.4956,
0.5044


 136.2336, 0.3956,
0.4153

 0.0000, 0.0000,
0.0000


 170.5515, 0.3900,


0.4096


 210.1970, 0.3851,
0.4045


 20.6765, 0.4514,
0.4731


 20.6765, 0.4514,
0.4731


 20.0738, 0.4580,
0.4745

 21.4696, 0.4415,
0.4686

 22.3192, 0.4290,
0.4597

 23.2312, 0.4143,
0.4468

 24.2099, 0.3981,
0.4306

 25.2589, 0.3810,
0.4122

■ 26.3817, 0.3637,
0.3925

■ 27.5812, 0.3469,
0.3723

■ 28.8604, 0.3307,
0.3522

■ 30.2220, 0.3156,
0.3327

Harmonies

Analogous

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



20.6765, 0.5049, 0.4038



20.6765, 0.4514, 0.4731



20.6765, 0.3668, 0.5180

Triad

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



20.6765, 0.4514, 0.4731



20.6765, 0.1541, 0.2779



20.6765, 0.3275, 0.2189

Complementary

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



20.6765, 0.4514, 0.4731



3.7339, 0.1622, 0.0949

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.



20.6765, 0.2344, 0.1886



20.6765, 0.4514, 0.4731



20.6765, 0.1483, 0.2109

Square

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



20.6765, 0.4514, 0.4731



20.6765, 0.1960, 0.3868



20.6765, 0.1745, 0.1843



20.6765, 0.4322, 0.2705

Rectangle

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



20.6765, 0.4514, 0.4731



20.6765, 0.3042, 0.5103



20.6765, 0.1745, 0.1843



20.6765, 0.2934, 0.2062

Sweetspot

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



20.6775, 0.4514, 0.4731



47.2636, 0.3579, 0.3856



6.8990, 0.5790, 0.3052



10.2943, 0.3646, 0.3935



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.6775, 0.4514, 0.4731



35.1758, 0.4589, 0.4739



25.0682, 0.3700, 0.5382



6.5538, 0.3264, 0.3467



16.6919, 0.4577, 0.4748



0.2439, 0.4367, 0.4915

Inverse Universe

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



3.7339, 0.1622, 0.0949



5.2679, 0.1552, 0.0786



3.2342, 0.1806, 0.0819



5.8059, 0.2989, 0.3107



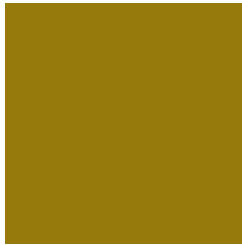
2.6079, 0.1562, 0.0822



0.0657, 0.1744, 0.1477

Previews

White Background



This preview shows how the Yxy color 20.6765, 0.4514, 0.4731 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 20.6765, 0.4514, 0.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

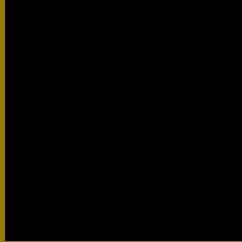
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6765, 0.4514, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 20.6765, 0.4514, 0.4731.

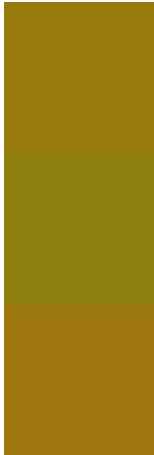


This preview shows how white text looks on a background with the Yxy color 20.6765, 0.4514, 0.4731.

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

20.6765, 0.4514, 0.4731

Protanopia

20.7016, 0.4368, 0.4839

Deuteranopia

20.6020, 0.4669, 0.4583



Tritanopia

20.5326, 0.3568, 0.3144

Trichromacy



Original Color

20.6765, 0.4514, 0.4731

Protanomaly

20.7160, 0.4420, 0.4798

Deuteranomaly

20.5354, 0.4622, 0.4627

Tritanomaly

20.2171, 0.4053, 0.3856

Monochromacy



Original Color

20.6765, 0.4514, 0.4731

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.7433, 0.3754, 0.4059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6765, 0.4514, 0.4731 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(150, 123, 12)` looks like.

```
.text, #text, p{  
    color:rgb(150, 123, 12)  
}
```

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(150, 123, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 123, 12) }
```

Border

The CSS property to change the border of an element to Yxy 20.6765, 0.4514, 0.4731 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(150, 123, 12) }
```

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

```
.border{ border-color:rgb(150, 123, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 123, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 123, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 123, 12);  
box-shadow:4px 4px 4px 4px rgb(150, 123,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6765, 0.4514, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 123, 12) }
```

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

```
.background{ background-color: rgb(150,  
123, 12) }
```

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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