

Converting Colors

$Y_{xy}(23.6543, 0.4484, 0.4465)$

Have a look what the booklet for
Yxy(23.6543, 0.4484, 0.4465)
contains.

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Color

Yxy(23.6121, 0.4477, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	A5802B
RGB	165, 128, 43
RGB Percent	65%, 50%, 17%
CMY	0.3529, 0.4981, 0.8314
CMYK	0.00, 0.22, 0.74, 0.35
HSL	42°, 59%, 41%
HSV	42°, 74%, 65%
XYZ	23.6756, 23.6121, 5.5950
YIQ	129.3730, 49.3370, -18.5910

Conversions

Conversions Part 2

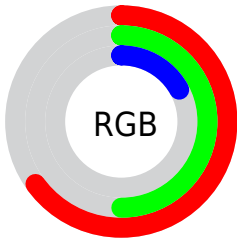
Format	Color
R_{YB}	96, 165, 43
Decimal	10846251
CIE _{Lab}	55.70, 5.56, 49.26
CIE _{LCh}	56, 49.574, 83.562
Y _{xy}	23.6121, 0.4477, 0.4465
Android (android.graphics.Color)	4289036331 (0xFFA5802B)
YUV	129.3730, -42.5819, 31.2449
Hunter-Lab	48.5923, 1.9338, 27.1879

Details

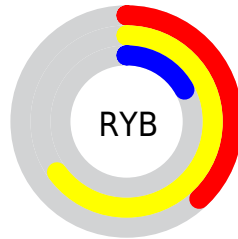
The Yxy color **23.6121, 0.4477, 0.4465** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.9720, 0.1890, 0.1591**, and the grayscale version is **22.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5439, 0.4219, 0.4268**, and **8.8432, 0.4748, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **22.2415, 0.4639, 0.4527**, and if you desaturate by 10%, it is **25.0985, 0.4293, 0.4361**.

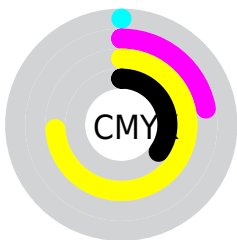
Distribution



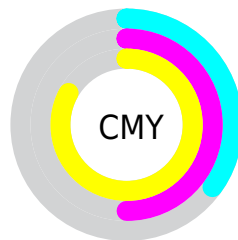
- Red (65%)
- Green (50%)
- Blue (17%)



- Red (38%)
- Yellow (65%)
- Blue (17%)



- Cyan (0%)
- Magenta (22%)
- Yellow (74%)
- Black (35%)





- Cyan (35%)
- Magenta (50%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6121, 0.4477, 0.4465 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 23.6121, 0.4477, 0.4465 by changing the saturation by 10% instead.

 23.6121, 0.4477,
0.4465


 23.6121, 0.4477,
0.4465


270.8535, 0.3771,
0.3874


 15.0461, 0.4639,
0.4587


 49.3965, 0.4224,
0.4262


 8.8518, 0.4826,
0.4716


 67.3836, 0.4127,
0.4181

 4.6446, 0.5101,
0.4899

 89.2800, 0.4044,
0.4111

 2.0403, 0.5172,
0.4828

 115.4699, 0.3973,
0.4050

 0.6307, 0.5382,
0.4618

 146.3379, 0.3912,
0.3998

 0.0000, 0.0000,
0.0000

 182.2682, 0.3859,

0.3951

223.6452, 0.3813,
0.3911

■ 23.6121, 0.4477,
0.4465

■ 23.6121, 0.4477,
0.4465

■ 22.2415, 0.4639,
0.4527

■ 25.0985, 0.4293,
0.4361

■ 20.9759, 0.4773,
0.4540

■ 26.7034, 0.4098,
0.4222

■ 20.2512, 0.4846,
0.4534

■ 28.4334, 0.3899,
0.4060

■ 30.2935, 0.3704,
0.3886

■ 32.2884, 0.3518,
0.3706

■ 34.4222, 0.3345,
0.3528

■ 36.6990, 0.3186,
0.3356

■ 39.1226, 0.3042,
0.3192

■ 41.6968, 0.2912,
0.3040

Harmonies

Analogous

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



23.6121, 0.4827, 0.3865



23.6121, 0.4477, 0.4465



23.6121, 0.3792, 0.4867

Triad

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



23.6121, 0.4477, 0.4465



23.6121, 0.1792, 0.3039



23.6121, 0.3085, 0.2255

Complementary

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



23.6121, 0.4477, 0.4465



8.9720, 0.1890, 0.1591

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.



23.6121, 0.2323, 0.2028



23.6121, 0.4477, 0.4465



23.6121, 0.1667, 0.2368

Square

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



23.6121, 0.4477, 0.4465



23.6121, 0.2247, 0.3979



23.6121, 0.1845, 0.2050



23.6121, 0.3978, 0.2685

Rectangle

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



23.6121, 0.4477, 0.4465



23.6121, 0.3251, 0.4860



23.6121, 0.1845, 0.2050



23.6121, 0.2804, 0.2154

Sweetspot

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



23.6133, 0.4477, 0.4465



58.3818, 0.3490, 0.3678



10.3331, 0.4812, 0.2778



12.5578, 0.3536, 0.3724



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.6133, 0.4477, 0.4465



38.2863, 0.4732, 0.4541



32.9008, 0.3849, 0.5033



7.8727, 0.3268, 0.3446



15.4068, 0.4838, 0.4541



0.4007, 0.4558, 0.4763

Inverse Universe

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



8.9720, 0.1890, 0.1591



10.9998, 0.1693, 0.1201



5.5816, 0.1911, 0.1082



7.1942, 0.2987, 0.3129



3.8643, 0.1622, 0.1037



0.1608, 0.1821, 0.1756

Previews

White Background



This preview shows how the Yxy color 23.6121, 0.4477, 0.4465 looks on a white background.

Color Contrast Check

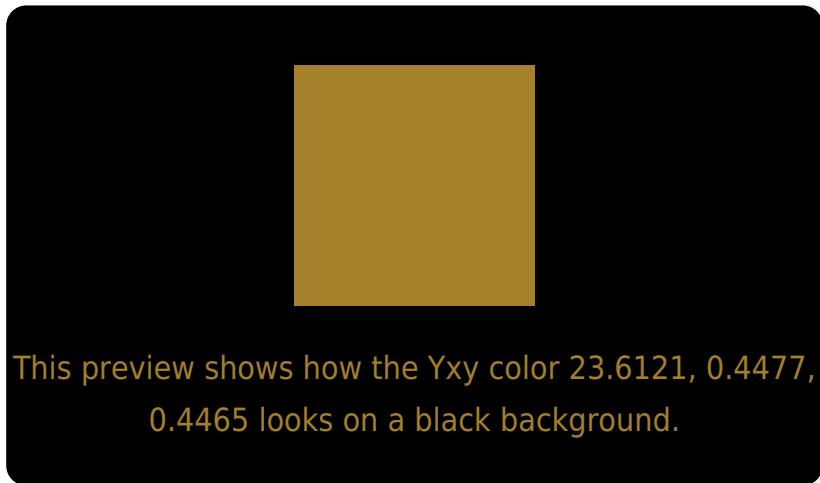
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6121, 0.4477, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 23.6121, 0.4477, 0.4465.



This preview shows how white text looks on a background with the Yxy color 23.6121, 0.4477, 0.4465.

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

23.6121, 0.4477, 0.4465

Protanopia

23.7237, 0.4212, 0.4631

Deuteranopia

23.5687, 0.4512, 0.4438



Tritanopia

23.6758, 0.3661, 0.3155

Trichromacy



Original Color

23.6121, 0.4477, 0.4465

Protanomaly

23.6529, 0.4302, 0.4579

Deuteranomaly

23.4602, 0.4501, 0.4445

Tritanomaly

23.4828, 0.4016, 0.3677

Monochromacy



Original Color

23.6121, 0.4477, 0.4465

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3331, 0.3639, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6121, 0.4477, 0.4465 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(165, 128, 43)` looks like.

```
.text, #text, p{  
    color:rgb(165, 128, 43)  
}
```

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(165, 128, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 128, 43) }
```

Border

The CSS property to change the border of an element to Yxy 23.6121, 0.4477, 0.4465 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(165, 128, 43) }
```

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

```
.border{ border-color:rgb(165, 128, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 128, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 128, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 128, 43);  
box-shadow:4px 4px 4px 4px rgb(165, 128,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6121, 0.4477, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 128, 43) }
```

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

```
.background{ background-color: rgb(165,  
128, 43) }
```

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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