

Converting Colors

$Y_{xy}(32.1712, 0.4764, 0.4416)$

Have a look what the booklet for
Yxy(32.1712, 0.4764, 0.4416)
contains.

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Color

Yxy(32.1639, 0.4757, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	CB8E23
RGB	203, 142, 35
RGB Percent	80%, 56%, 14%
CMY	0.2040, 0.4431, 0.8629
CMYK	0.00, 0.30, 0.83, 0.20
HSL	38°, 71%, 47%
HSV	38°, 83%, 80%
XYZ	34.6006, 32.1639, 5.9716
YIQ	148.0410, 70.7030, -20.3450

Conversions

Conversions Part 2

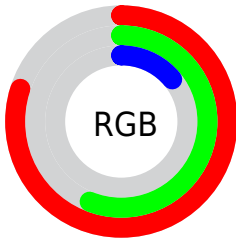
Format	Color
RYB	131, 203, 35
Decimal	13340195
CIELab	63.48, 14.44, 61.04
CIELCh	63, 62.728, 76.695
Yxy	32.1639, 0.4757, 0.4422
Android (android.graphics.Color)	4291530275 (0xFFCB8E23)
YUV	148.0410, -55.7292, 48.1990
Hunter-Lab	56.7132, 9.6541, 33.4563

Details

The Yxy color **32.1639, 0.4757, 0.4422** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **13.0202, 0.1802, 0.1499**, and the grayscale version is **29.8466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4780, 0.4408, 0.4313**, and **13.5836, 0.4989, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **29.9579, 0.4919, 0.4422**, and if you desaturate by 10%, it is **34.5877, 0.4565, 0.4371**.

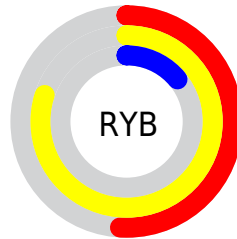
Distribution



Red (80%)

Green (56%)

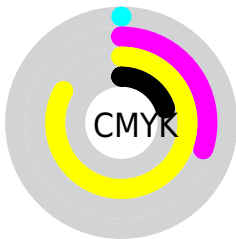
Blue (14%)



Red (51%)

Yellow (80%)

Blue (14%)

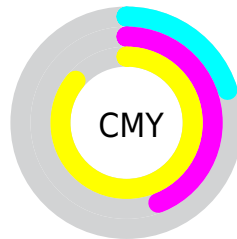


Cyan (0%)

Magenta (30%)

Yellow (83%)

Black (20%)



Cyan (20%)


Magenta (44%)


Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1639, 0.4757, 0.4422 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 32.1639, 0.4757, 0.4422 by changing the saturation by 10% instead.


 32.1639, 0.4757,
0.4422


 32.1639, 0.4757,
0.4422


311.8652, 0.3957,
0.3926

 21.4867, 0.4924,
0.4498


 63.0679, 0.4485,
0.4272


 13.4802, 0.5110,
0.4561


 84.0636, 0.4376,
0.4206


 7.7601, 0.5364,
0.4636


 109.2675, 0.4281,
0.4146

 3.9418, 0.5482,
0.4518

 139.0641, 0.4199,
0.4092

 1.6411, 0.5676,
0.4324

 173.8378, 0.4127,
0.4044

 0.3850, 0.6510,
0.3490

 213.9729, 0.4064,

 0.0000, 0.0000,

0.4000

0.0000

259.8539, 0.4007,
0.3961

■ 32.1639, 0.4757,
0.4422

■ 32.1639, 0.4757,
0.4422

■ 29.9579, 0.4919,
0.4422

■ 34.5877, 0.4565,
0.4371

■ 28.4810, 0.5019,
0.4396

■ 37.2375, 0.4354,
0.4275

■ 40.1263, 0.4134,
0.4145

■ 43.2643, 0.3915,
0.3992

■ 46.6608, 0.3706,
0.3827

■ 50.3243, 0.3510,
0.3658

■ 54.2630, 0.3331,
0.3492

■ 58.4845, 0.3169,
0.3333

■ 62.9960, 0.3024,
0.3182

Harmonies

Analogous

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



32.1639, 0.5061, 0.3734



32.1639, 0.4757, 0.4422



32.1639, 0.4039, 0.4997

Triad

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



32.1639, 0.4757, 0.4422



32.1639, 0.1714, 0.3215



32.1639, 0.2850, 0.2060

Complementary

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



32.1639, 0.4757, 0.4422



13.0202, 0.1802, 0.1499

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.



32.1639, 0.2072, 0.1869



32.1639, 0.4757, 0.4422



32.1639, 0.1508, 0.2372

Square

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



32.1639, 0.4757, 0.4422



32.1639, 0.2286, 0.4334



32.1639, 0.1630, 0.1952



32.1639, 0.3862, 0.2485

Rectangle

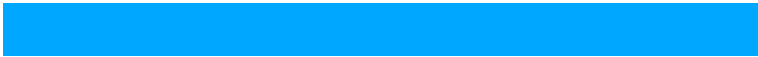
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.1639, 0.4757, 0.4422



32.1639, 0.3447, 0.5135



32.1639, 0.1630, 0.1952



32.1639, 0.2555, 0.1969

Sweetspot

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



32.1655, 0.4757, 0.4422



82.6718, 0.3559, 0.3701



14.7487, 0.5000, 0.2695



17.2253, 0.3628, 0.3761



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.1655, 0.4757, 0.4422



47.6020, 0.5020, 0.4391



52.5962, 0.3950, 0.5116



12.3854, 0.3274, 0.3437



18.3075, 0.5005, 0.4408



1.0855, 0.4807, 0.4565

Inverse Universe

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



13.0202, 0.1802, 0.1499



15.2687, 0.1652, 0.1142



6.3915, 0.1710, 0.0835



11.4993, 0.2983, 0.3138



5.9906, 0.1659, 0.1171



0.4524, 0.1770, 0.1572

Previews

White Background



This preview shows how the Yxy color 32.1639, 0.4757, 0.4422 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.1639, 0.4757, 0.4422 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 ✓ Pass

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

Yxy 32.1639, 0.4757, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 32.1639, 0.4757, 0.4422.



This preview shows how white text looks on a background with the Yxy color 32.1639, 0.4757, 0.4422.

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

32.1639, 0.4757, 0.4422

Protanopia

32.1354, 0.4299, 0.4741

Deuteranopia

32.1369, 0.4630, 0.4536



Tritanopia

32.0108, 0.3899, 0.3165

Trichromacy



Original Color

32.1639, 0.4757, 0.4422

Protanomaly

32.1366, 0.4464, 0.4626

Deuteranomaly

32.2366, 0.4667, 0.4499

Tritanomaly

31.8530, 0.4307, 0.3710

Monochromacy



Original Color

32.1639, 0.4757, 0.4422

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.9441, 0.3768, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1639, 0.4757, 0.4422 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(203, 142, 35)` looks like.

```
.text, #text, p{  
    color:rgb(203, 142, 35)  
}
```

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(203, 142, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 142, 35) }
```

Border

The CSS property to change the border of an element to Yxy 32.1639, 0.4757, 0.4422 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(203, 142, 35) }
```

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

```
.border{ border-color:rgb(203, 142, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 142, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 142, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 142, 35);  
box-shadow:4px 4px 4px 4px rgb(203, 142,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1639, 0.4757, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 142, 35) }
```

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

```
.background{ background-color: rgb(203,  
142, 35) }
```

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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