

Converting Colors

XYZ(24.3881, 20.4778, 4.9477)

Have a look what the booklet for
XYZ(24.3881, 20.4778, 4.9477)
contains.

XYZ(24.3890, 20.4832, 4.9537)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3890, 20.4832,
4.9537)**

Conversions

Conversions Part 1

Format	Color
Hex	B36C2B
RGB	179, 108, 43
RGB Percent	70%, 42%, 17%
CMY	0.2980, 0.5765, 0.8314
CMYK	0.00, 0.40, 0.76, 0.30
HSL	29°, 61%, 44%
HSV	29°, 76%, 70%
XYZ	24.3890, 20.4832, 4.9537
YIQ	121.8190, 63.1810, -5.1630

Conversions

Conversions Part 2

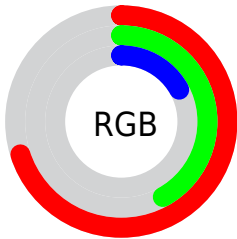
Format	Color
R _Y B	179, 168, 43
Decimal	11758635
CIE Lab	52.38, 22.99, 46.50
CIE LCh	52, 51.870, 63.690
Yxy	20.4832, 0.4895, 0.4111
Android (android.graphics.Color)	4289948715 (0xFFB36C2B)
YUV	121.8190, -38.8578, 50.1477
Hunter-Lab	45.2584, 16.9886, 25.1913

Details

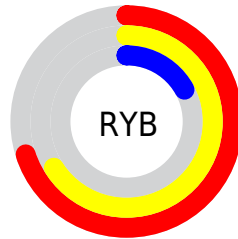
The XYZ color **24.3890, 20.4832, 4.9537** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.1499, 15.8021, 44.8992**, and the grayscale version is **18.5484, 19.5144, 21.2512**.

A 20% lighter version of the original color is **50.1432, 44.2826, 16.2605**, and **9.5010, 7.2967, 0.9076** is the 20% darker color. If you saturate the color by 10%, you get **23.1966, 18.5138, 3.2764**, and if you desaturate by 10%, it is **25.8320, 22.7236, 7.4256**.

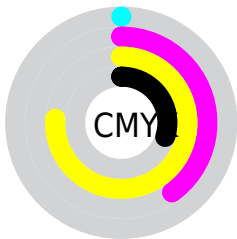
Distribution



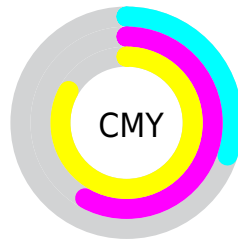
- Red (70%)
- Green (42%)
- Blue (17%)



- Red (70%)
- Yellow (66%)
- Blue (17%)



- Cyan (0%)
- Magenta (40%)
- Yellow (76%)
- Black (30%)





- Cyan (30%)
- Magenta (58%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3890, 20.4832, 4.9537 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 XYZ color 24.3890, 20.4832, 4.9537 by changing the saturation by 10% instead.


 24.3890, 20.4832,
4.9537


 24.3890, 20.4832,
4.9537


267.1854,
254.5191, 158.2997


 15.7487, 12.7468,
2.1619


 50.1143, 44.2258,
16.1556


 9.4362, 7.2544,
0.6522


 67.9301, 61.0008,
25.4027

 5.0862, 3.6217,
0.0000

 89.5350, 81.5575,
37.6386

 2.3332, 1.4643,
0.0000

 115.2946,
106.2801, 53.2819

 0.8116, 0.2634,
0.0000

 145.5740,
135.5532, 72.7511

 0.0000, 0.0000,
0.0000

 180.7387,

169.7612, 96.4648

221.1541,
209.2883, 124.8415

■ 24.3890, 20.4832,
4.9537

■ 24.3890, 20.4832,
4.9537

■ 23.1966, 18.5138,
3.2764

■ 25.8320, 22.7236,
7.4256

■ 22.2285, 16.7970,
2.2774

■ 27.5442, 25.2450,
10.7804

■ 21.8828, 16.1687,
1.9675

■ 29.5436, 28.0601,
15.0955

■ 31.8458, 31.1801,
20.4396

■ 34.4654, 34.6151,
26.8751

■ 37.4158, 38.3748,
34.4591

■ 40.7096, 42.4686,
43.2449

■ 44.3585, 46.9051,
53.2824

■ 48.3739, 51.6929,
64.6187

Harmonies

Analogous

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



29.3345, 20.4832, 9.6346



24.3890, 20.4832, 4.9537



18.8145, 20.4832, 3.9366

Triad

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



24.3890, 20.4832, 4.9537



10.9072, 20.4832, 24.2517



25.7451, 20.4832, 56.8566

Complementary

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



24.3890, 20.4832, 4.9537



15.1499, 15.8021, 44.8992

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.



20.1378, 20.4832, 66.4647



24.3890, 20.4832, 4.9537



12.1075, 20.4832, 42.9413

Square

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



24.3890, 20.4832, 4.9537



11.6318, 20.4832, 11.6343



15.2590, 20.4832, 60.4664



30.2127, 20.4832, 38.0597

Rectangle

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



24.3890, 20.4832, 4.9537



15.6239, 20.4832, 4.7481



15.2590, 20.4832, 60.4664



23.8975, 20.4832, 61.5787

Sweetspot

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



24.3895, 20.4843, 4.9541



63.0369, 63.6813, 51.4469



22.5796, 12.5617, 17.6158



13.5667, 13.5940, 10.3903



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.3895, 20.4843, 4.9541



40.3662, 31.0918, 4.5776



34.2527, 40.2107, 8.2418



8.8203, 9.1530, 8.9544



15.5280, 11.5545, 1.4118



0.5471, 0.4806, 0.0639

Inverse Universe

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



15.1499, 15.8021, 44.8992



23.0117, 22.2517, 79.4633



10.1710, 5.8444, 43.2396



8.3967, 8.9396, 10.7893



8.6089, 8.0182, 31.2309



0.3289, 0.3682, 1.0020

Previews

White Background



This preview shows how the XYZ color 24.3890, 20.4832, 4.9537 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 XYZ color 24.3890, 20.4832, 4.9537 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](#).

XYZ 24.3890, 20.4832, 4.9537

Background



This preview shows how black text looks on a background with the XYZ color 24.3890, 20.4832, 4.9537.



This preview shows how white text looks on a background with the XYZ color 24.3890, 20.4832,

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

24.3890, 20.4832, 4.9537

Protanopia

18.8096, 20.7106, 5.8025

Deuteranopia

20.8677, 20.5082, 4.7781



Tritanopia

26.9424, 20.4788, 17.0008

Trichromacy



Original Color

24.3890, 20.4832, 4.9537

Protanomaly

20.4164, 20.2609, 5.4195

Deuteranomaly

22.0308, 20.4140, 4.7866

Tritanomaly

25.8814, 20.5016, 11.1874

Monochromacy



Original Color

24.3890, 20.4832, 4.9537

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6648, 19.3525, 13.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3890, 20.4832, 4.9537 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(179, 108, 43)` looks like.

```
.text, #text, p{  
    color:rgb(179, 108, 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(179, 108, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 108, 43) }
```

Border

The CSS property to change the border of an element to XYZ 24.3890, 20.4832, 4.9537 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(179, 108, 43) }
```


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

```
.border{ border-color:rgb(179, 108, 43) }
```

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

Here you see how a box with a 4 pixel rgb(179, 108, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 108, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 108, 43);  
box-shadow:4px 4px 4px 4px rgb(179, 108,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3890, 20.4832, 4.9537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 108, 43) }
```

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

```
.background{ background-color: rgb(179,  
108, 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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