

Converting Colors

XYZ(20.9049, 19.9935, 0.5176)

Have a look what the booklet for
XYZ(20.9049, 19.9935, 0.5176)
contains.

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Color

**XYZ(21.2350, 20.0480,
2.7504)**

Conversions

Conversions Part 1

Format	Color
Hex	A37300
RGB	163, 115, 0
RGB Percent	64%, 45%, 0%
CMY	0.3608, 0.5490, 1.0000
CMYK	0.00, 0.29, 1.00, 0.36
HSL	42°, 100%, 32%
HSV	42°, 100%, 64%
XYZ	21.2350, 20.0480, 2.7504
YIQ	116.2420, 65.5230, -25.5890

Conversions

Conversions Part 2

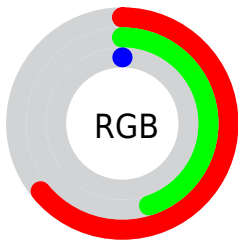
Format	Color
RYB	68, 163, 0
Decimal	10711808
CIELab	51.89, 10.76, 58.37
CIELCh	52, 59.355, 79.556
Yxy	20.0480, 0.4822, 0.4553
Android (android.graphics.Color)	4288901888 (0xFFA37300)
YUV	116.2420, -57.3073, 41.0068
Hunter-Lab	44.7750, 6.2992, 27.7005

Details

The XYZ color **21.2350, 20.0480, 2.7504** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6679, 4.7583, 35.1644**, and the grayscale version is **16.8320, 17.7085, 19.2846**.

A 20% lighter version of the original color is **44.8971, 43.5487, 11.0404**, and **7.9510, 7.0785, 0.9472** is the 20% darker color. If you saturate the color by 10%, you get **21.2352, 20.0486, 2.7506**, and if you desaturate by 10%, it is **21.8929, 21.2107, 3.4425**.

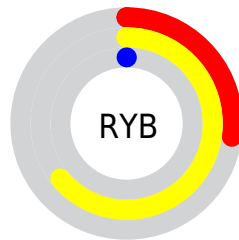
Distribution



Red (64%)

Green (45%)

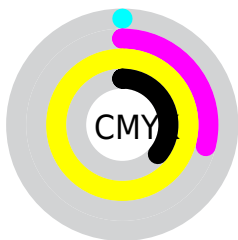
Blue (0%)



Red (27%)

Yellow (64%)

Blue (0%)

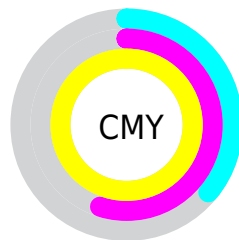


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2350, 20.0480, 2.7504 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 21.2350, 20.0480, 2.7504 by changing the saturation by 10% instead.

■ 21.2350, 20.0480,
2.7504

■ 21.2350, 20.0480,
2.7504

251.2329,
252.1749, 133.1152

■ 13.4093, 12.4299,
0.9686

■ 44.9666, 43.4976,
11.0061

■ 7.7899, 7.0372,
0.0000

■ 61.6033, 60.0980,
18.3171

■ 4.0115, 3.4854,
0.0000

■ 81.9077, 80.4613,
28.3082

■ 1.7086, 1.3901,
0.0000

■ 106.2452,
104.9718, 41.3980


■ 0.4617, 0.2094,
0.0000


■ 134.9811,
134.0141, 58.0051


■ 0.0000, 0.0000,
0.0000


■ 168.4808,


167.9724, 78.5480


 207.1096,
207.2312, 103.4452


 21.2350, 20.0480,
2.7504


 21.2350, 20.0480,
2.7504


 21.2352, 20.0486,
2.7506

 21.8929, 21.2107,
3.4425

 22.6567, 22.4612,
4.5514

 23.5601, 23.8145,
6.2502

 24.6175, 25.2769,
8.6137

 25.8414, 26.8542,
11.7057

■ 27.2429, 28.5514,
15.5822

■ 28.8320, 30.3730,
20.2940

■ 30.6178, 32.3233,
25.8873

■ 32.6088, 34.4063,
32.4050

Harmonies

Analogous

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



27.6096, 20.0480, 5.0552



21.2350, 20.0480, 2.7504



15.4314, 20.0480, 3.1081

Triad

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



21.2350, 20.0480, 2.7504



10.0844, 20.0480, 34.9376



29.3113, 20.0480, 51.2325

Complementary

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



21.2350, 20.0480, 2.7504



7.6679, 4.7583, 35.1644

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.



23.2056, 20.0480, 70.4525



21.2350, 20.0480, 2.7504



12.4798, 20.0480, 58.1074

Square

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



21.2350, 20.0480, 2.7504



9.7756, 20.0480, 16.3459



17.0296, 20.0480, 73.4770



32.8834, 20.0480, 28.4184

Rectangle

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



21.2350, 20.0480, 2.7504



12.5838, 20.0480, 4.9316



17.0296, 20.0480, 73.4770



27.4338, 20.0480, 58.7446

Sweetspot

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



21.2354, 20.0490, 2.7508



51.4678, 54.2074, 35.8318



15.6566, 8.0075, 3.6155



11.2953, 11.8757, 7.2532



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2354, 20.0490, 2.7508



37.8500, 35.5439, 4.8657



22.3646, 30.9718, 4.7996



7.4725, 7.8833, 7.5079



16.5445, 15.6629, 2.1513



0.3854, 0.4047, 0.0578

Inverse Universe

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



7.6679, 4.7583, 35.1644



13.5797, 8.2162, 62.9263



7.2255, 2.9613, 34.8409



6.8625, 7.1841, 8.9280



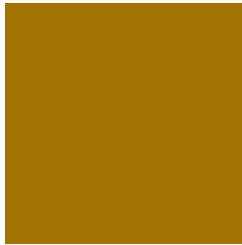
5.9945, 3.7684, 27.3412



0.1650, 0.1573, 0.5875

Previews

White Background



This preview shows how the XYZ color 21.2350, 20.0480, 2.7504 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](#).

XYZ 21.2350, 20.0480, 2.7504

Background



This preview shows how black text looks on a background with the XYZ color 21.2350, 20.0480, 2.7504.



This preview shows how white text looks on a background with the XYZ color 21.2350, 20.0480,

2.7504.

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

21.2350, 20.0480, 2.7504

Protanopia

18.2036, 20.2646, 3.2392

Deuteranopia

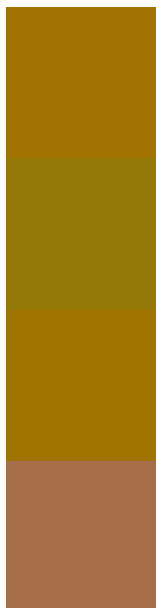
20.3831, 20.1250, 2.8102



Tritanopia

24.5007, 20.0780, 18.8038

Trichromacy



Original Color

21.2350, 20.0480, 2.7504

Protanomaly

19.0830, 19.9838, 3.0238

Deuteranomaly

20.6594, 20.0935, 2.7896

Tritanomaly

22.5044, 19.7399, 8.9274

Monochromacy



Original Color

21.2350, 20.0480, 2.7504

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.1543, 17.9717, 9.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2350, 20.0480, 2.7504 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(163, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 115, 0)  
}
```

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(163, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.2350, 20.0480, 2.7504 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(163, 115, 0) }
```


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

```
.border{ border-color:rgb(163, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2350, 20.0480, 2.7504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 115, 0) }
```

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

```
.background{ background-color: rgb(163,  
115, 0) }
```

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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