

Converting Colors

XYZ(10.2616, 20.4006, 3.3969)

Have a look what the booklet for
XYZ(10.2616, 20.4006, 3.3969)
contains.

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Color

**XYZ(10.2130, 20.2960,
3.3792)**

Conversions

Conversions Part 1

Format	Color
Hex	079100
RGB	7, 145, 0
RGB Percent	3%, 57%, 0%
CMY	0.9726, 0.4314, 1.0000
CMYK	0.95, 0.00, 1.00, 0.43
HSL	117°, 100%, 28%
HSV	117°, 100%, 57%
XYZ	10.2130, 20.2960, 3.3792
YIQ	87.2080, -35.7030, -74.3510

Conversions

Conversions Part 2

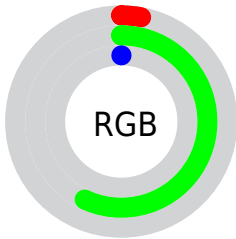
Format	Color
RYB	0, 145, 138
Decimal	495872
CIELab	52.17, -56.13, 54.68
CIELCh	52, 78.364, 135.748
Yxy	20.2960, 0.3014, 0.5989
Android (android.graphics.Color)	4278685952 (0xFF079100)
YUV	87.2080, -42.9935, -70.3424
Hunter-Lab	45.0511, -38.3738, 27.0885

Details

The XYZ color **10.2130, 20.2960, 3.3792** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.5950, 7.4493, 27.4051**, and the grayscale version is **9.1999, 9.6790, 10.5404**.

A 20% lighter version of the original color is **25.8175, 43.8498, 12.5720**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **10.2133, 20.2968, 3.3794**, and if you desaturate by 10%, it is **10.5136, 20.4420, 3.8254**.

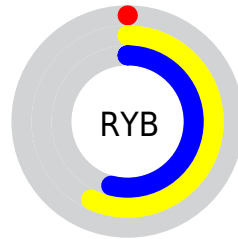
Distribution



Red (3%)

Green (57%)

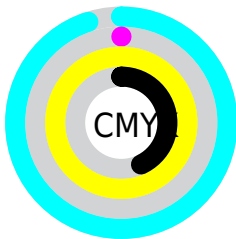
Blue (0%)



Red (0%)

Yellow (57%)

Blue (54%)

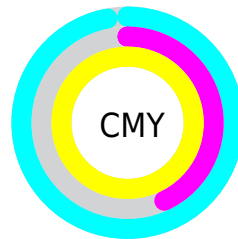


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (97%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2130, 20.2960, 3.3792 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 10.2130, 20.2960, 3.3792 by changing the saturation by 10% instead.

■ 10.2130, 20.2960,
3.3792

■ 10.2130, 20.2960,
3.3792

186.2076,
253.5131, 141.0528

■ 5.6038, 12.6104,
1.2914

■ 25.8414, 43.9129,
12.5506

■ 2.6440, 7.1608,
0.0547

■ 37.5913, 60.6130,
20.4713

■ 0.9684, 3.5629,
0.0000

■ 52.4521, 81.0867,
31.1733

■ 0.0000, 1.4322,
0.0000

■ 70.7892, 105.7183,
45.0752


■ 0.0000, 0.2403,
0.0000


■ 92.9680, 134.8924,
62.5956


■ 0.0000, 0.0000,
0.0000


■ 119.3537,


168.9933, 84.1530


 150.3118,
208.4054, 110.1658


 10.2130, 20.2960,
3.3792


 10.2130, 20.2960,
3.3792


 10.2133, 20.2968,
3.3794

 10.5136, 20.4420,
3.8254

 11.0274, 20.6908,
4.5756

 11.8092, 21.0680,
5.7790

 12.8892, 21.5880,
7.4920

 14.2931, 22.2629,
9.7625

■ 16.0442, 23.1039,
12.6332

■ 18.1634, 24.1209,
16.1423

■ 20.6701, 25.3232,
20.3251

■ 23.5823, 26.7193,
25.2142

Harmonies

Analogous

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



15.3977, 20.2960, 1.0165



10.2130, 20.2960, 3.3792



7.8652, 20.2960, 12.9054

Triad

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



10.2130, 20.2960, 3.3792



15.7351, 20.2960, 98.5884



38.2846, 20.2960, 12.1421

Complementary

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



10.2130, 20.2960, 3.3792



15.5950, 7.4493, 27.4051

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.



38.4496, 20.2960, 34.8647



10.2130, 20.2960, 3.3792



23.7902, 20.2960, 97.7810

Square

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



10.2130, 20.2960, 3.3792



10.4006, 20.2960, 71.2868



32.5921, 20.2960, 69.5199



32.1895, 20.2960, 3.1512

Rectangle

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



10.2130, 20.2960, 3.3792



7.6487, 20.2960, 26.8281



32.5921, 20.2960, 69.5199



39.0824, 20.2960, 17.9609

Sweetspot

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



10.2135, 20.2968, 3.3797



32.2666, 43.0705, 28.4749



20.7307, 24.1262, 3.5645



6.8476, 9.4229, 5.7863



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.2135, 20.2968, 3.3797



18.2470, 36.3249, 6.0497



11.0875, 20.6364, 8.4389



5.3654, 6.0410, 5.7726



8.7664, 17.4119, 2.8988



0.0876, 0.1684, 0.0279

Inverse Universe

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



15.5950, 7.4493, 27.4051



27.8838, 13.3173, 49.0744



13.1166, 6.5958, 8.1240



5.6009, 5.4980, 6.7948



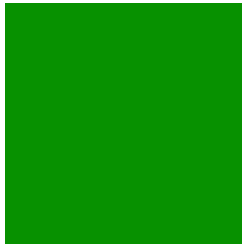
13.3820, 6.3923, 23.5056



0.1331, 0.0638, 0.2250

Previews

White Background



This preview shows how the XYZ color 10.2130, 20.2960, 3.3792 looks on a white background.

Color Contrast Check

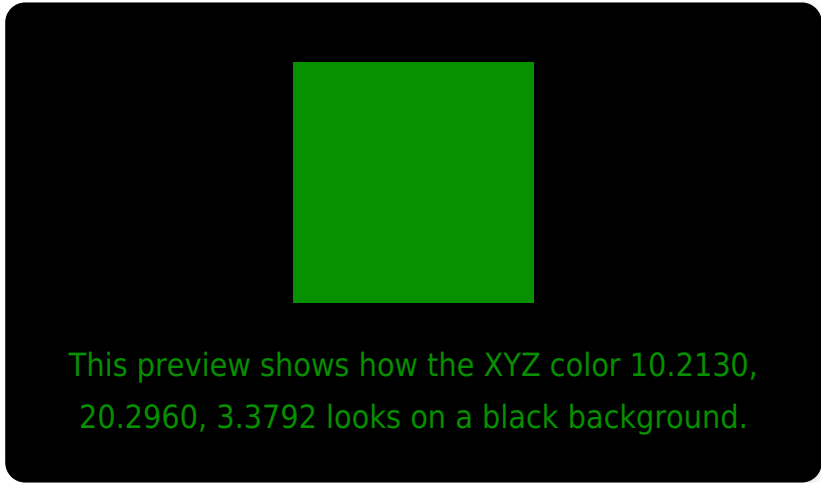
Large Text (above 18pt) WCAG AA ✓ Pass

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

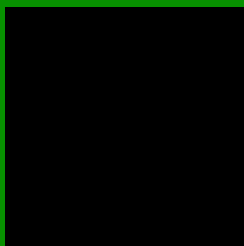
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.2130, 20.2960, 3.3792

Background



This preview shows how black text looks on a background with the XYZ color 10.2130, 20.2960, 3.3792.



This preview shows how white text looks on a background with the XYZ color 10.2130, 20.2960,

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

10.2130, 20.2960, 3.3792

Protanopia

18.0229, 19.9908, 2.9087

Deuteranopia

20.4361, 20.1237, 4.1035



Tritanopia

15.7767, 20.3954, 30.2993

Trichromacy



Original Color

10.2130, 20.2960, 3.3792



Protanomaly

12.6649, 18.7778, 2.9570



Deuteranomaly

13.3249, 18.3136, 3.4944



Tritanomaly

12.1229, 19.7270, 13.5247

Monochromacy



Original Color

10.2130, 20.2960, 3.3792



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

7.7971, 11.9005, 5.5005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2130, 20.2960, 3.3792 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(7, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 145, 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(7, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.2130, 20.2960, 3.3792 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(7, 145, 0) }
```


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

```
.border{ border-color:rgb(7, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(7, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 145, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 145, 0); box-shadow:4px  
4px 4px 4px rgb(7, 145, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2130, 20.2960, 3.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 145, 0) }
```

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

```
.background{ background-color: rgb(7, 145,  
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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