

Converting Colors

XYZ(10.2235, 20.0465, 4.6416)

Have a look what the booklet for
XYZ(10.2235, 20.0465, 4.6416)
contains.

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Color

**XYZ(10.2206, 20.0454,
4.6268)**

Conversions

Conversions Part 1

Format	Color
Hex	00901F
RGB	0, 144, 31
RGB Percent	0%, 56%, 12%
CMY	1.0000, 0.4353, 0.8784
CMYK	1.00, 0.00, 0.78, 0.44
HSL	133°, 100%, 28%
HSV	133°, 100%, 56%
XYZ	10.2206, 20.0454, 4.6268
YIQ	88.0620, -49.5510, -65.6710

Conversions

Conversions Part 2

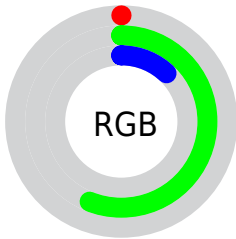
Format	Color
RYB	0, 118, 144
Decimal	36895
CIELab	51.89, -54.86, 47.26
CIELCh	52, 72.406, 139.256
Yxy	20.0454, 0.2929, 0.5745
Android (android.graphics.Color)	4278226975 (0xFF00901F)
YUV	88.0620, -28.1316, -77.2304
Hunter-Lab	44.7721, -37.6031, 25.2134

Details

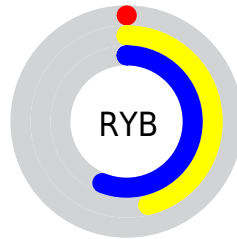
The XYZ color **10.2206, 20.0454, 4.6268** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.4829, 7.1219, 16.2350**, and the grayscale version is **9.3574, 9.8447, 10.7209**.

A 20% lighter version of the original color is **25.8614, 43.4654, 15.4141**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **10.2209, 20.0462, 4.6270**, and if you desaturate by 10%, it is **10.5845, 20.2132, 5.5629**.

Distribution



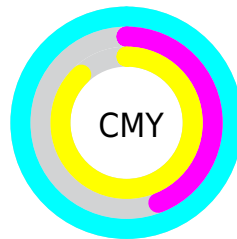
- Red (0%)
- Green (56%)
- Blue (12%)



- Red (0%)
- Yellow (46%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.2206, 20.0454, 4.6268 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 10.2206, 20.0454, 4.6268 by changing the saturation by 10% instead.


 10.2206, 20.0454,
4.6268


 10.2206, 20.0454,
4.6268


186.2603,
252.1608, 154.9564


 5.6089, 12.4280,
1.9751


 25.8555, 43.4933,
15.4313


 2.6471, 7.0359,
0.5399


 37.6094, 60.0926,
24.4213


 0.9700, 3.4846,
0.0000

 52.4748, 80.4547,
36.3611

 0.0000, 1.3896,
0.0000

 70.8169, 104.9640,
51.6692

 0.0000, 0.2091,
0.0000

 93.0011, 134.0049,
70.7643

 0.0000, 0.0000,
0.0000

 119.3929,

167.9617, 94.0648

150.3575,
207.2189, 121.9894

■ 10.2206, 20.0454,
4.6268

■ 10.2206, 20.0454,
4.6268

■ 10.2209, 20.0462,
4.6270

■ 10.5845, 20.2132,
5.5629

■ 11.1315, 20.4683,
6.8057

■ 11.9299, 20.8459,
8.3815

■ 13.0074, 21.3597,
10.3123

■ 14.3876, 22.0216,
12.6178

■ 16.0918, 22.8422,
15.3166

■ 18.1391, 23.8309,
18.4259

■ 20.5473, 24.9966,
21.9619

■ 23.3328, 26.3474,
25.9399

Harmonies

Analogous

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



14.7586, 20.0454, 1.5715



10.2206, 20.0454, 4.6268



8.2617, 20.0454, 15.1126

Triad

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



10.2206, 20.0454, 4.6268



16.5358, 20.0454, 90.7045



35.7659, 20.0454, 11.0078

Complementary

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



10.2206, 20.0454, 4.6268



14.4829, 7.1219, 16.2350

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.



36.5991, 20.0454, 30.2809



10.2206, 20.0454, 4.6268



24.1078, 20.0454, 86.7414

Square

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



10.2206, 20.0454, 4.6268



11.2323, 20.0454, 69.1425



31.9020, 20.0454, 60.3720



29.8543, 20.0454, 3.2740

Rectangle

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



10.2206, 20.0454, 4.6268



8.2252, 20.0454, 29.0109



31.9020, 20.0454, 60.3720



36.6977, 20.0454, 15.9377

Sweetspot

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



10.2211, 20.0462, 4.6273



31.7504, 41.9139, 32.1369



17.0706, 23.6059, 3.6568



6.9548, 9.4541, 6.8786



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.



10.2211, 20.0462, 4.6273



17.9748, 35.3348, 7.8870



12.3130, 20.8830, 15.6433



5.3875, 6.0472, 6.0062



8.9079, 17.4590, 4.0690



0.0921, 0.1697, 0.0752

Inverse Universe

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



14.4829, 7.1219, 16.2350



25.4804, 12.5356, 28.3018



11.9419, 6.1055, 2.8543



5.5772, 5.4914, 6.5377



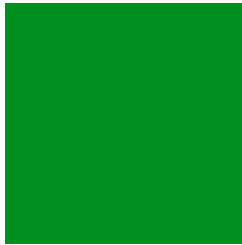
12.6202, 6.2051, 14.1833



0.1286, 0.0625, 0.1777

Previews

White Background



This preview shows how the XYZ color 10.2206, 20.0454, 4.6268 looks on a white background.

Color Contrast Check

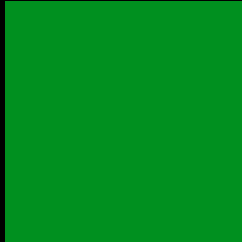
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2206, 20.0454, 4.6268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

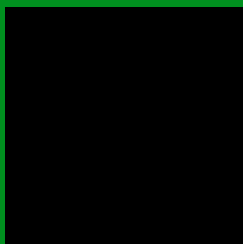
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.2206, 20.0454, 4.6268

Background



This preview shows how black text looks on a background with the XYZ color 10.2206, 20.0454, 4.6268.



This preview shows how white text looks on a background with the XYZ color 10.2206, 20.0454,

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

10.2206, 20.0454, 4.6268

Protanopia

17.9169, 19.7295, 3.8411

Deuteranopia

20.1238, 19.7670, 5.0403



Tritanopia

15.4994, 20.0552, 29.8422

Trichromacy



Original Color

10.2206, 20.0454, 4.6268



Protanomaly

12.3504, 18.3911, 3.9975



Deuteranomaly

12.9926, 17.9219, 4.6939



Tritanomaly

12.3865, 19.5885, 16.2248

Monochromacy



Original Color

10.2206, 20.0454, 4.6268



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.0066, 11.9711, 7.1989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2206, 20.0454, 4.6268 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(0, 144, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 31)  
}
```

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(0, 144, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 31) }
```

Border

The CSS property to change the border of an element to XYZ 10.2206, 20.0454, 4.6268 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(0, 144, 31) }
```


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

```
.border{ border-color:rgb(0, 144, 31) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 144, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2206, 20.0454, 4.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 31) }
```

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

```
.background{ background-color: rgb(0, 144,  
31) }
```

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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