

# Converting Colors

XYZ(11.1078, 20.1056, 3.2953)

Have a look what the booklet for  
XYZ(11.1078, 20.1056, 3.2953)  
contains.

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# Color

**XYZ(11.0892, 20.0761,  
3.2906)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	348E00
RGB	52, 142, 0
RGB Percent	20%, 56%, 0%
CMY	0.7961, 0.4431, 1.0000
CMYK	0.63, 0.00, 1.00, 0.44
HSL	98°, 100%, 28%
HSV	98°, 100%, 56%
XYZ	11.0892, 20.0761, 3.2906
YIQ	98.9020, -8.0580, -63.2420

# Conversions

## Conversions Part 2

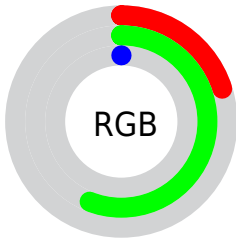
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 90
Decimal	3444224
CIELab	51.92, -48.45, 54.81
CIELCh	52, 73.158, 131.476
Yxy	20.0761, 0.3218, 0.5827
Android (android.graphics.Color)	4281634304 (0xFF348E00)
YUV	98.9020, -48.7587, -41.1331
Hunter-Lab	44.8064, -34.2339, 27.0102

# Details

The XYZ color **11.0892, 20.0761, 3.2906** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.1005, 4.1276, 25.9094**, and the grayscale version is **11.9562, 12.5789, 13.6984**.

A 20% lighter version of the original color is **27.5349, 43.7173, 12.2972**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **11.0893, 20.0768, 3.2907**, and if you desaturate by 10%, it is **11.6787, 20.3713, 3.7395**.

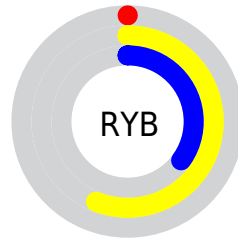
# Distribution



Red (20%)

Green (56%)

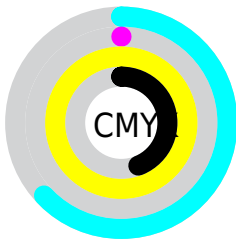
Blue (0%)



Red (0%)

Yellow (56%)

Blue (35%)

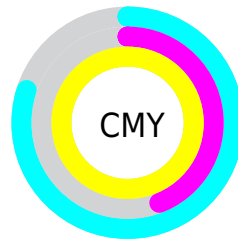


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (80%)

Magenta (44%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0892, 20.0761, 3.2906 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 11.0892, 20.0761, 3.2906 by changing the saturation by 10% instead.



■ 11.0892, 20.0761,  
3.2906

■ 11.0892, 20.0761,  
3.2906

192.1742,  
252.3268, 139.9799

■ 6.1946, 12.4504,  
1.2449

■ 27.4565, 43.5447,  
12.3375

■ 3.0055, 7.0512,  
0.0160

■ 39.6599, 60.1564,  
20.1757

■ 1.1567, 3.4941,  
0.0000

■ 55.0302, 80.5322,  
30.7818

■ 0.0718, 1.3948,  
0.0000

■ 73.9330, 105.0566,  
44.5744

■ 0.0000, 0.2129,  
0.0000


■ 96.7333, 134.1138,  
61.9719


■ 0.0000, 0.0000,  
0.0000


■ 123.7968,


168.0883, 83.3930


 155.4886,  
207.3645, 109.2561


 11.0892, 20.0761,  
3.2906


 11.0892, 20.0761,  
3.2906


 11.0893, 20.0768,  
3.2907

 11.6787, 20.3713,  
3.7395

 12.4139, 20.7348,  
4.4725

 13.3271, 21.1808,  
5.6342

 14.4321, 21.7153,  
7.2771

 15.7414, 22.3436,  
9.4463

■ 17.2661, 23.0706,  
12.1816

■ 19.0164, 23.9009,  
15.5190

■ 21.0019, 24.8386,  
19.4916

■ 23.2316, 25.8877,  
24.1299

# Harmonies

## Analogous

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



16.3748, 20.0761, 1.2748



11.0892, 20.0761, 3.2906



8.4782, 20.0761, 11.2567

# Triad

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



11.0892, 20.0761, 3.2906



14.8885, 20.0761, 88.2555



36.8132, 20.0761, 14.6797

# Complementary

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



11.0892, 20.0761, 3.2906



9.1005, 4.1276, 25.9094

# 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.



36.1124, 20.0761, 37.6282



11.0892, 20.0761, 3.2906



22.0716, 20.0761, 91.6014

# Square

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



11.0892, 20.0761, 3.2906



10.2457, 20.0761, 61.7664



30.2101, 20.0761, 69.1598



31.9306, 20.0761, 4.4045



# Rectangle

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



11.0892, 20.0761, 3.2906



8.0567, 20.0761, 22.9321



30.2101, 20.0761, 69.1598



37.2508, 20.0761, 20.8208

# Sweetspot

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



11.0897, 20.0770, 3.2910



33.3256, 42.0474, 26.9615



14.8069, 13.0531, 1.7394



7.1806, 9.2669, 5.5143



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021



# Same Dimension

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



11.0897, 20.0770, 3.2910



19.3877, 35.3163, 5.7949



9.7906, 19.3937, 3.8409



5.5177, 6.1195, 5.7797



9.9750, 18.0349, 2.9553



0.1181, 0.1841, 0.0293



# Inverse Universe

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



9.1005, 4.1276, 25.9094



15.8624, 7.1828, 45.6782



14.7355, 7.1831, 19.3719



5.4374, 5.4137, 6.7871



8.1908, 3.7161, 23.2627

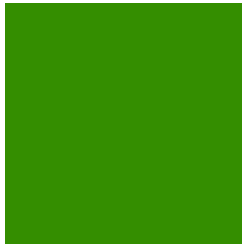


0.1026, 0.0481, 0.2235



# Previews

## White Background



This preview shows how the XYZ color 11.0892, 20.0761, 3.2906 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

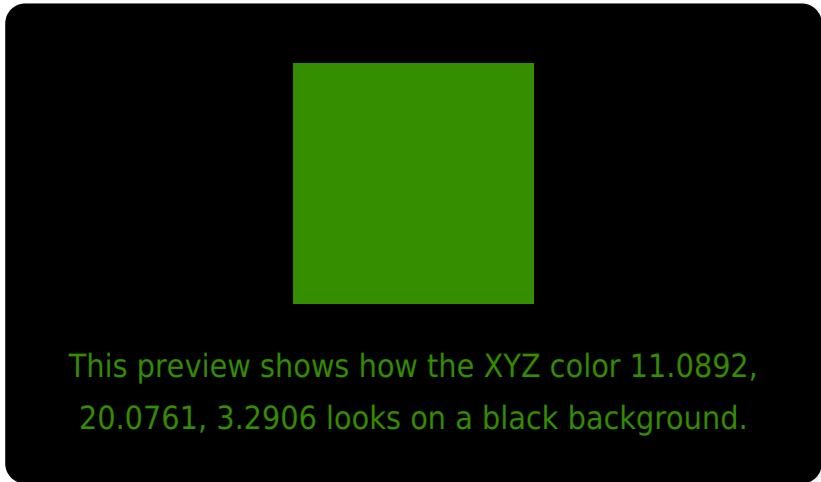
Any Text WCAG AA × Fail

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 11.0892, 20.0761, 3.2906**

## **Background**



This preview shows how black text looks on a background with the XYZ color 11.0892, 20.0761, 3.2906.



This preview shows how white text looks on a background with the XYZ color 11.0892, 20.0761,



# 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

11.0892, 20.0761, 3.2906

### Protanopia

17.7304, 19.6549, 2.8593

### Deuteranopia

20.1132, 19.7849, 3.9871



## Tritanopia

16.2698, 20.0635, 29.0017

# Trichromacy



## Original Color

11.0892, 20.0761, 3.2906

## Protanomaly

14.0460, 19.0911, 2.9446

## Deuteranomaly

15.0496, 18.8203, 3.4556

## Tritanomaly

13.0764, 19.5926, 12.9901

# Monochromacy



## Original Color

11.0892, 20.0761, 3.2906

## Achromatopsia

11.8596, 12.4772, 13.5877

## Achromatomaly

10.5076, 14.4142, 6.9310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 11.0892, 20.0761, 3.2906 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(52, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 142, 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(52, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 142, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 11.0892, 20.0761, 3.2906 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(52, 142, 0) }
```



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

```
.border{ border-color:rgb(52, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 142, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 11.0892, 20.0761, 3.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 142, 0) }
```

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

```
.background{ background-color: rgb(52, 142,  
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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