

Converting Colors

XYZ(11.4712, 21.2681, 2.2872)

Have a look what the booklet for
XYZ(11.4712, 21.2681, 2.2872)
contains.

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Color

**XYZ(11.6441, 21.2616,
3.4902)**

Conversions

Conversions Part 1

Format	Color
Hex	339200
RGB	51, 146, 0
RGB Percent	20%, 57%, 0%
CMY	0.8000, 0.4274, 1.0000
CMYK	0.65, 0.00, 1.00, 0.43
HSL	99°, 100%, 29%
HSV	99°, 100%, 57%
XYZ	11.6441, 21.2616, 3.4902
YIQ	100.9510, -9.7540, -65.5460

Conversions

Conversions Part 2

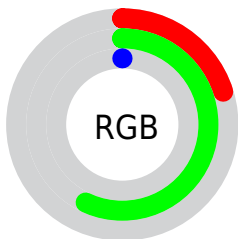
Format	Color
RYB	0, 146, 95
Decimal	3379712
CIELab	53.23, -50.10, 55.84
CIElCh	53, 75.017, 131.898
Yxy	21.2616, 0.3199, 0.5842
Android (android.graphics.Color)	4281569792 (0xFF339200)
YUV	100.9510, -49.7688, -43.8070
Hunter-Lab	46.1103, -35.6169, 27.7894

Details

The XYZ color **11.6441, 21.2616, 3.4902** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.9096, 4.5094, 27.5435**, and the grayscale version is **12.4840, 13.1342, 14.3031**.

A 20% lighter version of the original color is **28.4856, 45.5702, 12.7634**, and **4.0027, 8.0054, 1.3342** is the 20% darker color. If you saturate the color by 10%, you get **11.6441, 21.2623, 3.4903**, and if you desaturate by 10%, it is **12.2567, 21.5684, 3.9547**.

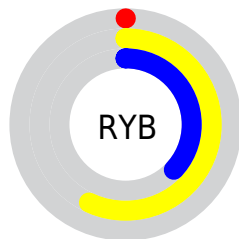
Distribution



Red (20%)

Green (57%)

Blue (0%)



Red (0%)

Yellow (57%)

Blue (37%)

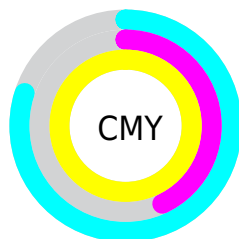


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (80%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6441, 21.2616, 3.4902 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 11.6441, 21.2616, 3.4902 by changing the saturation by 10% instead.

■ 11.6441, 21.2616,
3.4902

■ 11.6441, 21.2616,
3.4902

195.8531,
258.6655, 142.3782

■ 6.5723, 13.3154,
1.3501

■ 28.4677, 45.5225,
12.8158

■ 3.2400, 7.6461,
0.1023

■ 40.9503, 62.6060,
20.8384

■ 1.2819, 3.8693,
0.0000

■ 56.6338, 83.5039,
31.6588

■ 0.1696, 1.6007,
0.0000

■ 75.8836, 108.6008,
45.6957

■ 0.0000, 0.3581,
0.0000


■ 99.0651, 138.2810,
63.3675


■ 0.0000, 0.0000,
0.0000


■ 126.5436,


172.9290, 85.0928


 158.6845,
212.9290, 111.2902


 11.6441, 21.2616,
3.4902


 11.6441, 21.2616,
3.4902


 11.6441, 21.2623,
3.4903

 12.2567, 21.5684,
3.9547

 13.0296, 21.9506,
4.7264

 13.9968, 22.4230,
5.9548

 15.1738, 22.9924,
7.6965

 16.5740, 23.6647,
9.9998

■ 18.2099, 24.4454,
12.9074

■ 20.0927, 25.3394,
16.4580

■ 22.2329, 26.3513,
20.6869

■ 24.6405, 27.4856,
25.6268

Harmonies

Analogous

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



17.2265, 21.2616, 1.3217



11.6441, 21.2616, 3.4902



8.9084, 21.2616, 12.0647

Triad

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



11.6441, 21.2616, 3.4902



15.8336, 21.2616, 94.3509



39.0898, 21.2616, 15.2673

Complementary

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



11.6441, 21.2616, 3.4902



9.9096, 4.5094, 27.5435

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.



38.4309, 21.2616, 39.5318



11.6441, 21.2616, 3.4902



23.5162, 21.2616, 97.5048

Square

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



11.6441, 21.2616, 3.4902



10.8551, 21.2616, 66.2408



32.1899, 21.2616, 73.2034



33.8069, 21.2616, 4.5244

Rectangle

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



11.6441, 21.2616, 3.4902



8.4833, 21.2616, 24.6261



32.1899, 21.2616, 73.2034



39.5872, 21.2616, 21.7346

Sweetspot

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



11.6446, 21.2625, 3.4907



35.2270, 44.5967, 28.6135



15.9384, 14.2788, 1.9164



7.5506, 9.7853, 5.8192



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.



11.6446, 21.2625, 3.4907



20.3734, 37.4211, 6.1492



10.4234, 20.6164, 4.1845



5.9093, 6.5611, 6.1954



10.2687, 18.7216, 3.0724



0.1553, 0.2444, 0.0390

Inverse Universe

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



9.9096, 4.5094, 27.5435



17.2921, 7.8571, 48.5787



15.4994, 7.5694, 19.7475



5.8407, 5.8089, 7.2831



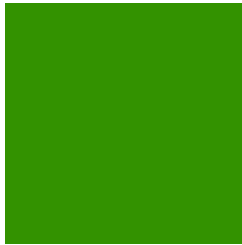
8.7442, 3.9804, 24.2385



0.1390, 0.0652, 0.2982

Previews

White Background



This preview shows how the XYZ color 11.6441, 21.2616, 3.4902 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 11.6441, 21.2616, 3.4902

Background



This preview shows how black text looks on a background with the XYZ color 11.6441, 21.2616, 3.4902.



This preview shows how white text looks on a background with the XYZ color 11.6441, 21.2616,

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

11.6441, 21.2616, 3.4902

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.2619, 20.9028, 4.2103



Tritanopia

17.1312, 21.2927, 30.8108

Trichromacy



Original Color

11.6441, 21.2616, 3.4902

Protanomaly

14.9555, 20.3652, 3.1426

Deuteranomaly

15.7223, 19.7441, 3.6442

Tritanomaly

13.7824, 20.7933, 13.8768

Monochromacy



Original Color

11.6441, 21.2616, 3.4902

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

10.8540, 14.9317, 7.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6441, 21.2616, 3.4902 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(51, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 146, 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(51, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.6441, 21.2616, 3.4902 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(51, 146, 0) }
```


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

```
.border{ border-color:rgb(51, 146, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 146, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 146, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6441, 21.2616, 3.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 146, 0) }
```

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

```
.background{ background-color: rgb(51, 146,  
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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