

Converting Colors

XYZ(13.3870, 20.5076, 3.2528)

Have a look what the booklet for
XYZ(13.3870, 20.5076, 3.2528)
contains.

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Color

**XYZ(13.4491, 20.6389,
3.2749)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8B00
RGB	90, 139, 0
RGB Percent	35%, 55%, 0%
CMY	0.6471, 0.4549, 1.0000
CMYK	0.35, 0.00, 1.00, 0.45
HSL	81°, 100%, 27%
HSV	81°, 100%, 55%
XYZ	13.4491, 20.6389, 3.2749
YIQ	108.5030, 15.4150, -53.6170

Conversions

Conversions Part 2

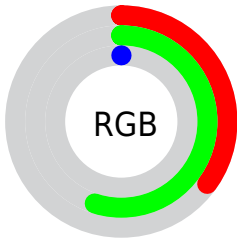
Format	Color
RYB	0, 139, 49
Decimal	5933824
CIELab	52.55, -34.93, 56.00
CIELCh	53, 65.999, 121.959
Yxy	20.6389, 0.3600, 0.5524
Android (android.graphics.Color)	4284123904 (0xFF5A8B00)
YUV	108.5030, -53.4920, -16.2271
Hunter-Lab	45.4301, -26.6595, 27.5270

Details

The XYZ color **13.4491, 20.6389, 3.2749** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.9279, 2.5177, 24.6008**, and the grayscale version is **14.5393, 15.2965, 16.6579**.

A 20% lighter version of the original color is **31.7601, 44.5649, 12.2381**, and **4.2173, 7.3545, 1.1973** is the 20% darker color. If you saturate the color by 10%, you get **13.4491, 20.6396, 3.2750**, and if you desaturate by 10%, it is **14.0207, 20.9252, 3.7123**.

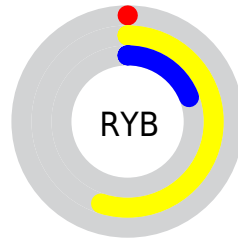
Distribution



Red (35%)

Green (55%)

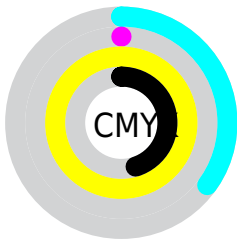
Blue (0%)



Red (0%)

Yellow (55%)

Blue (19%)

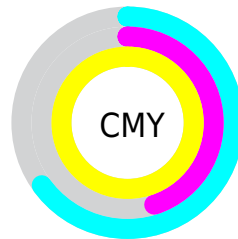


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (65%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4491, 20.6389, 3.2749 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 13.4491, 20.6389, 3.2749 by changing the saturation by 10% instead.

■ 13.4491, 20.6389,
3.2749

■ 13.4491, 20.6389,
3.2749

207.3561,
255.3532, 139.7884

■ 7.8176, 12.8603,
1.2367

■ 31.7028, 44.4858,
12.2996

■ 4.0293, 7.3324,
0.0090

■ 45.0557, 61.3229,
20.1230

■ 1.7187, 3.6709,
0.0000

■ 61.7132, 81.9482,
30.7120

■ 0.4679, 1.4912,
0.0000

■ 82.0406, 106.7463,
44.4851


■ 0.0000, 0.2825,
0.0000


■ 106.4032,
136.1014, 61.8607


■ 0.0000, 0.0000,
0.0000


■ 135.1664,


170.3980, 83.2574


 168.6956,
210.0205, 109.0938


 13.4491, 20.6389,
3.2749


 13.4491, 20.6389,
3.2749


 13.4491, 20.6396,
3.2750

 14.0207, 20.9252,
3.7123

 14.6740, 21.2471,
4.4146

 15.4366, 21.6165,
5.5224

 16.3185, 22.0374,
7.0855

 17.3284, 22.5135,
9.1463

■ 18.4738, 23.0477,
11.7425

■ 19.7617, 23.6429,
14.9081

■ 21.1986, 24.3018,
18.6742

■ 22.7905, 25.0268,
23.0698

Harmonies

Analogous

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



19.1707, 20.6389, 1.9395



13.4491, 20.6389, 3.2749



10.1518, 20.6389, 9.0142

Triad

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



13.4491, 20.6389, 3.2749



14.0635, 20.6389, 74.7648



35.9045, 20.6389, 21.2095

Complementary

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



13.4491, 20.6389, 3.2749



5.9279, 2.5177, 24.6008

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.



33.6559, 20.6389, 45.2214



13.4491, 20.6389, 3.2749



20.0695, 20.6389, 84.9984

Square

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



13.4491, 20.6389, 3.2749



10.4443, 20.6389, 48.8687



27.4294, 20.6389, 71.9328



33.0159, 20.6389, 7.8552

Rectangle

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



13.4491, 20.6389, 3.2749



9.2675, 20.6389, 17.6071



27.4294, 20.6389, 71.9328



35.7229, 20.6389, 28.1599

Sweetspot

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



13.4496, 20.6398, 3.2753



35.2277, 42.2645, 26.2894



11.7321, 7.6574, 0.8600



7.9137, 9.6448, 5.5486



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.



13.4496, 20.6398, 3.2753



23.8996, 36.8652, 5.8560



9.5394, 18.6241, 3.0924



5.2628, 5.7582, 5.3865



12.1569, 18.6371, 2.9566



0.0967, 0.1320, 0.0204

Inverse Universe

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



5.9279, 2.5177, 24.6008



10.4490, 4.4226, 44.0459



12.1527, 5.7268, 24.8921



4.9302, 4.9724, 6.3058



5.3668, 2.2808, 22.2031



0.0504, 0.0228, 0.1482

Previews

White Background



This preview shows how the XYZ color 13.4491, 20.6389, 3.2749 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 13.4491, 20.6389, 3.2749 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 13.4491, 20.6389, 3.2749

Background



This preview shows how black text looks on a background with the XYZ color 13.4491, 20.6389, 3.2749.



This preview shows how white text looks on a background with the XYZ color 13.4491, 20.6389,

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

13.4491, 20.6389, 3.2749

Protanopia

18.3181, 20.3300, 2.9586

Deuteranopia

20.6993, 20.4409, 3.8914



Tritanopia

18.2928, 20.5370, 27.8109

Trichromacy



Original Color

13.4491, 20.6389, 3.2749

Protanomaly

16.0087, 20.1028, 3.0365

Deuteranomaly

17.2349, 19.9487, 3.4724

Tritanomaly

15.3363, 20.1490, 12.5320

Monochromacy



Original Color

13.4491, 20.6389, 3.2749

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2701, 16.6874, 8.1518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4491, 20.6389, 3.2749 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(90, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 139, 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(90, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4491, 20.6389, 3.2749 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(90, 139, 0) }
```


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

```
.border{ border-color:rgb(90, 139, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4491, 20.6389, 3.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 139, 0) }
```

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

```
.background{ background-color: rgb(90, 139,  
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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