

Converting Colors

XYZ(13.3242, 23.9944, 5.2254)

Have a look what the booklet for
XYZ(13.3242, 23.9944, 5.2254)
contains.

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Color

**XYZ(13.3242, 23.9944,
5.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	369A1F
RGB	54, 154, 31
RGB Percent	21%, 60%, 12%
CMY	0.7882, 0.3961, 0.8784
CMYK	0.65, 0.00, 0.80, 0.40
HSL	109°, 66%, 36%
HSV	109°, 80%, 60%
XYZ	13.3242, 23.9944, 5.2254
YIQ	110.0780, -20.1170, -59.4530

Conversions

Conversions Part 2

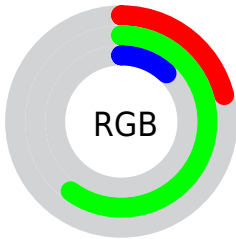
Format	Color
R_{YB}	31, 154, 131
Decimal	3578399
CIE _{Lab}	56.08, -50.96, 51.60
CIE _{LCh}	56, 72.522, 134.643
Y _{xy}	23.9944, 0.3132, 0.5640
Android (android.graphics.Color)	4281768479 (0xFF369A1F)
YUV	110.0780, -38.9855, -49.1804
Hunter-Lab	48.9841, -37.1682, 27.9641

Details

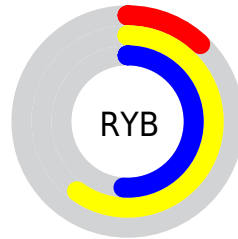
The XYZ color **13.3242, 23.9944, 5.2254** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **15.6845, 8.1394, 31.3176**, and the grayscale version is **14.9566, 15.7355, 17.1359**.

A 20% lighter version of the original color is **31.4196, 49.8502, 16.7702**, and **4.7514, 9.5027, 1.5838** is the 20% darker color. If you saturate the color by 10%, you get **12.5803, 23.6298, 4.3728**, and if you desaturate by 10%, it is **14.3393, 24.4891, 6.5979**.

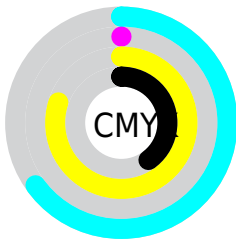
Distribution



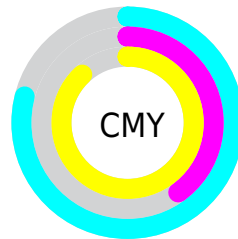
- Red (21%)
- Green (60%)
- Blue (12%)



- Red (12%)
- Yellow (60%)
- Blue (51%)



- Cyan (65%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)





- Cyan (79%)
- Magenta (40%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3242, 23.9944, 5.2254 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 13.3242, 23.9944, 5.2254 by changing the saturation by 10% instead.


 13.3242, 23.9944,
5.2254


 13.3242, 23.9944,
5.2254


206.5810,
272.7922, 161.0025


 7.7307, 15.3295,
2.3191


 31.4814, 50.0211,
16.7496


 3.9735, 9.0509,
0.7419


 44.7758, 68.1516,
26.2046

 1.6871, 4.7744,
0.0000

 61.3679, 90.2061,
38.6795

 0.4482, 2.1155,
0.0000

 81.6230, 116.5690,
54.5929

 0.0000, 0.6733,
0.0000

 105.9065,
147.6246, 74.3634

 0.0000, 0.0000,
0.0000

 134.5838,

183.7574, 98.4095

168.0201,
225.3518, 127.1496

■ 13.3242, 23.9944,
5.2254

■ 13.3242, 23.9944,
5.2254

■ 12.5803, 23.6298,
4.3728

■ 14.3393, 24.4891,
6.5979

■ 12.0627, 23.3732,
3.8816

■ 15.6482, 25.1219,
8.5537

■ 12.0569, 23.3704,
3.8755

■ 17.2730, 25.9038,
11.1488

■ 19.2332, 26.8436,
14.4323

■ 21.5464, 27.9497,
18.4483

■ 24.2293, 29.2295,
23.2374

■ 27.2972, 30.6903,
28.8373

■ 30.7647, 32.3388,
35.2829

■ 34.6457, 34.1814,
42.6074

Harmonies

Analogous

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



19.0025, 23.9944, 2.1567



13.3242, 23.9944, 5.2254



10.6125, 23.9944, 15.7887

Triad

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



13.3242, 23.9944, 5.2254



18.8326, 23.9944, 99.7004



42.0090, 23.9944, 16.1858

Complementary

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



13.3242, 23.9944, 5.2254



15.6845, 8.1394, 31.3176

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.



41.9316, 23.9944, 40.2068



13.3242, 23.9944, 5.2254



27.0858, 23.9944, 100.0614

Square

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



13.3242, 23.9944, 5.2254



13.2260, 23.9944, 73.2430



35.9688, 23.9944, 74.0478



36.1600, 23.9944, 5.3646

Rectangle

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



13.3242, 23.9944, 5.2254



10.3046, 23.9944, 30.0054



35.9688, 23.9944, 74.0478



42.7136, 23.9944, 22.5959

Sweetspot

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



13.3248, 23.9954, 5.2259



41.6788, 51.9828, 38.0182



21.4779, 22.7763, 4.5609



9.0726, 11.5937, 7.9626



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.3248, 23.9954, 5.2259



22.0837, 42.5413, 7.2787



13.1618, 23.8198, 9.3575



6.2346, 6.9784, 6.6242



9.8463, 19.0518, 3.1584



0.1706, 0.2969, 0.0483

Inverse Universe

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



15.6845, 8.1394, 31.3176



26.2617, 12.4442, 56.5541



17.0341, 9.1373, 17.7274



6.3480, 6.2653, 7.8037



11.6955, 5.4803, 25.3491



0.2008, 0.0953, 0.3802

Previews

White Background



This preview shows how the XYZ color 13.3242, 23.9944, 5.2254 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 13.3242, 23.9944, 5.2254 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 13.3242, 23.9944, 5.2254

Background



This preview shows how black text looks on a background with the XYZ color 13.3242, 23.9944, 5.2254.



This preview shows how white text looks on a background with the XYZ color 13.3242, 23.9944,

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

13.3242, 23.9944, 5.2254

Protanopia

21.2892, 23.6088, 4.4122

Deuteranopia

23.9803, 23.5761, 5.6696



Tritanopia

19.1322, 23.7608, 34.5883

Trichromacy



Original Color

13.3242, 23.9944, 5.2254



Protanomaly

16.8047, 22.7784, 4.6096



Deuteranomaly

17.9161, 22.4734, 5.3130



Tritanomaly

15.8467, 23.3328, 18.4203

Monochromacy



Original Color

13.3242, 23.9944, 5.2254



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.1625, 17.6894, 10.5052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3242, 23.9944, 5.2254 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(54, 154, 31)` looks like.

```
.text, #text, p{  
    color:rgb(54, 154, 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(54, 154, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 154, 31) }
```

Border

The CSS property to change the border of an element to XYZ 13.3242, 23.9944, 5.2254 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(54, 154, 31) }
```


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

```
.border{ border-color:rgb(54, 154, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 154, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 154, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 154, 31);  
box-shadow:4px 4px 4px 4px rgb(54, 154,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3242, 23.9944, 5.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 154, 31) }
```

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

```
.background{ background-color: rgb(54, 154,  
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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