

Converting Colors

XYZ(13.4208, 23.7729, 6.4556)

Have a look what the booklet for
XYZ(13.4208, 23.7729, 6.4556)
contains.

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Color

**XYZ(13.4057, 23.7640,
6.4651)**

Conversions

Conversions Part 1

Format	Color
Hex	36992E
RGB	54, 153, 46
RGB Percent	21%, 60%, 18%
CMY	0.7882, 0.4000, 0.8196
CMYK	0.65, 0.00, 0.70, 0.40
HSL	116°, 54%, 39%
HSV	116°, 70%, 60%
XYZ	13.4057, 23.7640, 6.4651
YIQ	111.2010, -24.6570, -54.2650

Conversions

Conversions Part 2

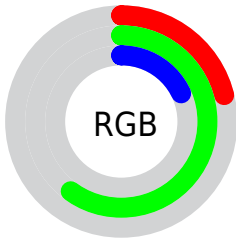
Format	Color
RYB	46, 153, 145
Decimal	3578158
CIELab	55.85, -49.43, 45.86
CIELCh	56, 67.427, 137.151
Yxy	23.7640, 0.3072, 0.5446
Android (android.graphics.Color)	4281768238 (0xFF36992E)
YUV	111.2010, -32.1441, -50.1653
Hunter-Lab	48.7483, -36.2224, 26.2607

Details

The XYZ color **13.4057, 23.7640, 6.4651** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.4052, 10.2745, 31.1514**, and the grayscale version is **15.2641, 16.0590, 17.4882**.

A 20% lighter version of the original color is **31.5705, 49.5043, 19.4466**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **12.5041, 23.3288, 5.1198**, and if you desaturate by 10%, it is **14.6371, 24.3582, 8.3880**.

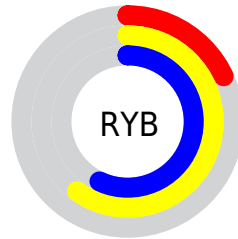
Distribution



Red (21%)

Green (60%)

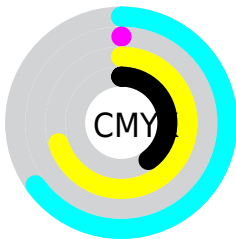
Blue (18%)



Red (18%)

Yellow (60%)

Blue (57%)

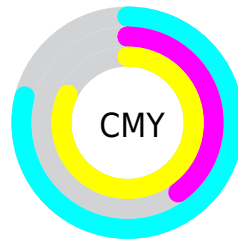


Cyan (65%)

Magenta (0%)

Yellow (70%)

Black (40%)



Cyan (79%)


Magenta (40%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4057, 23.7640, 6.4651 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 13.4057, 23.7640, 6.4651 by changing the saturation by 10% instead.

 13.4057, 23.7640,
6.4651


 13.4057, 23.7640,
6.4651

207.0871,
271.6252, 172.6007


 7.7874, 15.1586,
3.0566


 31.6259, 49.6448,
19.3830


 4.0099, 8.9308,
1.1236


 44.9585, 67.6891,
29.7294

 1.7077, 4.6961,
0.0000

 61.5933, 89.6484,
43.2255

 0.4611, 2.0701,
0.0000

 81.8956, 115.9072,
60.2899

 0.0000, 0.6477,
0.0000

 106.2308,
146.8499, 81.3410

 0.0000, 0.0000,
0.0000

 134.9642,

182.8609, 106.7975

168.4612,
224.3245, 137.0779

■ 13.4057, 23.7640,
6.4651

■ 13.4057, 23.7640,
6.4651

■ 12.5041, 23.3288,
5.1198

■ 14.6371, 24.3582,
8.3880

■ 11.8989, 23.0346,
4.2861

■ 16.2244, 25.1216,
10.9419

■ 11.5374, 22.8585,
3.8070

■ 18.1928, 26.0669,
14.1758

■ 11.5356, 22.8576,
3.8040

■ 20.5651, 27.2047,
18.1335

■ 23.3619, 28.5449,
22.8552

■ 26.6027, 30.0967,
28.3780

■ 30.3055, 31.8686,
34.7366

■ 34.4876, 33.8690,
41.9639

■ 39.1653, 36.1054,
50.0908

Harmonies

Analogous

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



18.5100, 23.7640, 2.8600



13.4057, 23.7640, 6.4651



11.0408, 23.7640, 17.5703

Triad

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



13.4057, 23.7640, 6.4651



19.4624, 23.7640, 92.7931



39.8196, 23.7640, 15.3087

Complementary

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



13.4057, 23.7640, 6.4651



18.4052, 10.2745, 31.1514

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.



40.2392, 23.7640, 36.4542



13.4057, 23.7640, 6.4651



27.2226, 23.7640, 90.8835

Square

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



13.4057, 23.7640, 6.4651



13.9663, 23.7640, 70.8554



35.2210, 23.7640, 66.5566



34.1787, 23.7640, 5.6158

Rectangle

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



13.4057, 23.7640, 6.4651



10.8835, 23.7640, 31.4986



35.2210, 23.7640, 66.5566



40.6147, 23.7640, 20.9640

Sweetspot

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



13.4063, 23.7650, 6.4656



41.0452, 50.7393, 39.5873



23.6170, 26.9426, 6.5408



8.7765, 11.0664, 8.2563



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.4063, 23.7650, 6.4656



21.7109, 41.4466, 8.2097



14.3891, 24.1126, 13.7001



6.1728, 6.9465, 6.6213



9.5459, 18.8970, 3.1444



0.1527, 0.2876, 0.0475

Inverse Universe

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



18.4052, 10.2745, 31.1514



31.1591, 15.6333, 55.3472



16.8437, 9.8185, 15.3122



6.4157, 6.3002, 7.8069



13.9224, 6.6283, 25.4533



0.2198, 0.1051, 0.3811

Previews

White Background



This preview shows how the XYZ color 13.4057, 23.7640, 6.4651 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 13.4057, 23.7640, 6.4651 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 13.4057, 23.7640, 6.4651

Background



This preview shows how black text looks on a background with the XYZ color 13.4057, 23.7640, 6.4651.



This preview shows how white text looks on a background with the XYZ color 13.4057, 23.7640,

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

13.4057, 23.7640, 6.4651

Protanopia

21.1822, 23.3247, 5.4835

Deuteranopia

23.6675, 23.1969, 6.8445



Tritanopia

18.9635, 23.6835, 34.1437

Trichromacy



Original Color

13.4057, 23.7640, 6.4651

Protanomaly

16.7536, 22.5080, 5.7470

Deuteranomaly

17.8814, 22.2162, 6.5945

Tritanomaly

16.1268, 23.4448, 19.8950

Monochromacy



Original Color

13.4057, 23.7640, 6.4651

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.3976, 17.7835, 11.7433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4057, 23.7640, 6.4651 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, 153, 46)` looks like.

```
.text, #text, p{  
    color:rgb(54, 153, 46)  
}
```

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, 153, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 153, 46) }
```

Border

The CSS property to change the border of an element to XYZ 13.4057, 23.7640, 6.4651 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, 153, 46) }
```


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

```
.border{ border-color:rgb(54, 153, 46) }
```

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

Here you see how a box with a 4 pixel rgb(54, 153, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 153, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 153, 46);  
box-shadow:4px 4px 4px 4px rgb(54, 153,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4057, 23.7640, 6.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 153, 46) }
```

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

```
.background{ background-color: rgb(54, 153,  
46) }
```

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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