

Converting Colors

XYZ(13.6726, 23.1554, 8.0260)

Have a look what the booklet for
XYZ(13.6726, 23.1554, 8.0260)
contains.

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Color

**XYZ(13.6464, 23.1310,
8.0205)**

Conversions

Conversions Part 1

Format	Color
Hex	3D963C
RGB	61, 150, 60
RGB Percent	24%, 59%, 24%
CMY	0.7608, 0.4118, 0.7647
CMYK	0.59, 0.00, 0.60, 0.41
HSL	119°, 43%, 41%
HSV	119°, 60%, 59%
XYZ	13.6464, 23.1310, 8.0205
YIQ	113.1290, -24.1540, -46.8580

Conversions

Conversions Part 2

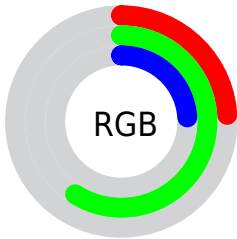
Format	Color
R_{YB}	60, 150, 149
Decimal	4036156
CIE _{Lab}	55.21, -45.11, 38.93
CIE _{LCh}	55, 59.588, 139.205
Yxy	23.1310, 0.3046, 0.5163
Android (android.graphics.Color)	4282226236 (0xFF3D963C)
YUV	113.1290, -26.1926, -45.7171
Hunter-Lab	48.0947, -33.5181, 23.7788

Details

The XYZ color **13.6464, 23.1310, 8.0205** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.5167, 11.8242, 30.1090**, and the grayscale version is **15.8153, 16.6389, 18.1198**.

A 20% lighter version of the original color is **31.9819, 48.5703, 22.4412**, and **4.4060, 8.7507, 1.6578** is the 20% darker color. If you saturate the color by 10%, you get **12.5147, 22.5878, 6.1832**, and if you desaturate by 10%, it is **15.1442, 23.8513, 10.4628**.

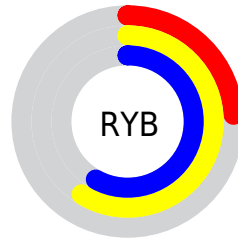
Distribution



Red (24%)

Green (59%)

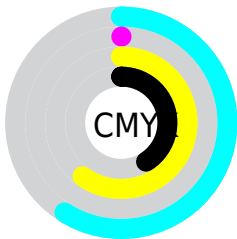
Blue (24%)



Red (24%)

Yellow (59%)

Blue (58%)

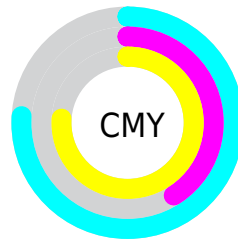


Cyan (59%)

Magenta (0%)

Yellow (60%)

Black (41%)



Cyan (76%)


Magenta (41%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6464, 23.1310, 8.0205 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 13.6464, 23.1310, 8.0205 by changing the saturation by 10% instead.


 13.6464, 23.1310,
8.0205


 13.6464, 23.1310,
8.0205


208.5748,
268.3971, 185.8333


 7.9552, 14.6903,
4.0201


 32.0518, 48.6083,
22.5455


 4.1179, 8.6023,
1.6364


 45.4968, 66.4137,
33.9071

 1.7690, 4.4827,
0.3166

 62.2570, 88.1095,
48.5596

 0.4989, 1.9471,
0.0000

 82.6978, 114.0799,
66.9214

 0.0000, 0.5764,
0.0000

 107.1847,
144.7096, 89.4112

 0.0000, 0.0000,
0.0000

 136.0829,

180.3827, 116.4474

169.7578,
221.4838, 148.4486

■ 13.6464, 23.1310,
8.0205

■ 13.6464, 23.1310,
8.0205

■ 12.5147, 22.5878,
6.1832

■ 15.1442, 23.8513,
10.4628

■ 11.7163, 22.2038,
4.8967

■ 17.0342, 24.7592,
13.5548

■ 11.2153, 21.9627,
4.1001

■ 19.3417, 25.8674,
17.3391

■ 10.9276, 21.8243,
3.6366

■ 22.0897, 27.1869,
21.8539

■ 10.9276, 21.8243,
3.6366

■ 25.2994, 28.7280,
27.1349

■ 28.9907, 30.5002,
33.2153

■ 33.1823, 32.5124,
40.1263

■ 37.8918, 34.7732,
47.8976

■ 43.1362, 37.2905,
56.5572

Harmonies

Analogous

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



18.0365, 23.1310, 4.0024



13.6464, 23.1310, 8.0205



11.6533, 23.1310, 18.9224

Triad

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



13.6464, 23.1310, 8.0205



19.6731, 23.1310, 81.1129



36.4301, 23.1310, 14.9461

Complementary

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



13.6464, 23.1310, 8.0205



19.5167, 11.8242, 30.1090

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.



37.1148, 23.1310, 32.6979



13.6464, 23.1310, 8.0205



26.4721, 23.1310, 78.1154

Square

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



13.6464, 23.1310, 8.0205



14.6355, 23.1310, 64.3987



33.1738, 23.1310, 57.5471



31.4576, 23.1310, 6.3748

Rectangle

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



13.6464, 23.1310, 8.0205



11.6130, 23.1310, 31.5190



33.1738, 23.1310, 57.5471



37.2024, 23.1310, 19.7633

Sweetspot

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



13.6470, 23.1320, 8.0210



39.8562, 48.3968, 40.0036



24.0628, 28.1485, 8.4403



8.5215, 10.5760, 8.3538



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.6470, 23.1320, 8.0210



21.5397, 39.5987, 10.0307



15.2440, 23.7637, 16.7481



5.7352, 6.4713, 6.1873



9.0646, 18.1008, 3.0161



0.1121, 0.2222, 0.0370

Inverse Universe

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



19.5167, 11.8242, 30.1090



32.8492, 17.7887, 52.6235



16.8220, 10.7674, 14.9649



6.0290, 5.9060, 7.2919



14.7474, 7.0751, 24.5194



0.1821, 0.0874, 0.3002

Previews

White Background



This preview shows how the XYZ color 13.6464, 23.1310, 8.0205 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 13.6464, 23.1310, 8.0205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

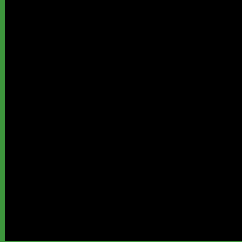
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6464, 23.1310, 8.0205

Background



This preview shows how black text looks on a background with the XYZ color 13.6464, 23.1310, 8.0205.



This preview shows how white text looks on a background with the XYZ color 13.6464, 23.1310,

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

13.6464, 23.1310, 8.0205

Protanopia

20.7712, 22.8799, 6.8115

Deuteranopia

23.0447, 22.6495, 8.4674



Tritanopia

18.7597, 23.1558, 33.1865

Trichromacy



Original Color

13.6464, 23.1310, 8.0205



Protanomaly

17.0167, 22.3956, 7.1673



Deuteranomaly

17.9080, 21.7803, 8.1107



Tritanomaly

16.2047, 22.7743, 20.9946

Monochromacy



Original Color

13.6464, 23.1310, 8.0205



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.0973, 18.1095, 13.3422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6464, 23.1310, 8.0205 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(61, 150, 60)` looks like.

```
.text, #text, p{  
    color:rgb(61, 150, 60)  
}
```

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(61, 150, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 150, 60) }
```

Border

The CSS property to change the border of an element to XYZ 13.6464, 23.1310, 8.0205 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(61, 150, 60) }
```


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

```
.border{ border-color:rgb(61, 150, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 150, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 150, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 150, 60);  
box-shadow:4px 4px 4px 4px rgb(61, 150,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6464, 23.1310, 8.0205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 150, 60) }
```

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

```
.background{ background-color: rgb(61, 150,  
60) }
```

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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