

Converting Colors

XYZ(13.4043, 23.5471, 6.1361)

Have a look what the booklet for
XYZ(13.4043, 23.5471, 6.1361)
contains.

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Color

**XYZ(13.4092, 23.5304,
6.1206)**

Conversions

Conversions Part 1

Format	Color
Hex	3A982B
RGB	58, 152, 43
RGB Percent	23%, 60%, 17%
CMY	0.7725, 0.4039, 0.8314
CMYK	0.62, 0.00, 0.72, 0.40
HSL	112°, 56%, 38%
HSV	112°, 72%, 60%
XYZ	13.4092, 23.5304, 6.1206
YIQ	111.4680, -21.0350, -53.8270

Conversions

Conversions Part 2

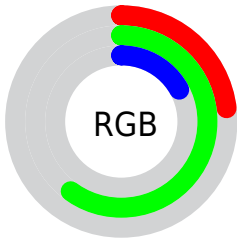
Format	Color
R_{YB}	43, 152, 137
Decimal	3840043
CIE _{Lab}	55.61, -48.39, 46.86
CIE _{LCh}	56, 67.362, 135.922
Y _{xy}	23.5304, 0.3114, 0.5465
Android (android.graphics.Color)	4282030123 (0xFF3A982B)
YUV	111.4680, -33.7547, -46.8914
Hunter-Lab	48.5081, -35.5462, 26.4747

Details

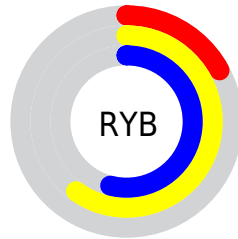
The XYZ color **13.4092, 23.5304, 6.1206** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.8493, 9.3140, 30.6167**, and the grayscale version is **15.3459, 16.1451, 17.5820**.

A 20% lighter version of the original color is **31.5808, 49.1649, 18.6518**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **12.5134, 23.0957, 4.8847**, and if you desaturate by 10%, it is **14.6042, 24.1087, 7.9140**.

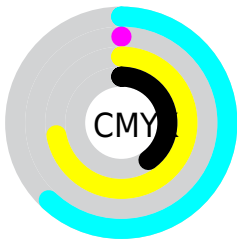
Distribution



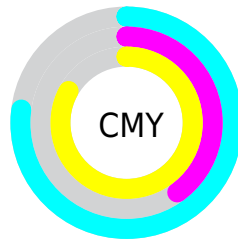
- Red (23%)
- Green (60%)
- Blue (17%)



- Red (17%)
- Yellow (60%)
- Blue (54%)



- Cyan (62%)
- Magenta (0%)
- Yellow (72%)
- Black (40%)





- Cyan (77%)
- Magenta (40%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4092, 23.5304, 6.1206 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 13.4092, 23.5304, 6.1206 by changing the saturation by 10% instead.


 13.4092, 23.5304,
6.1206


 13.4092, 23.5304,
6.1206


207.1088,
270.4377, 169.4860


 7.7899, 14.9856,
2.8486


 31.6321, 49.2628,
18.6627


 4.0114, 8.8093,
1.0178


 44.9664, 67.2192,
28.7698

 1.7086, 4.6170,
0.0000

 61.6030, 89.0816,
41.9924

 0.4617, 2.0244,
0.0000

 81.9073, 115.2345,
58.7490

 0.0000, 0.6216,
0.0000

 106.2447,
146.0621, 79.4581

 0.0000, 0.0000,
0.0000

 134.9805,

181.9489, 104.5383

168.4801,
223.2793, 134.4081

■ 13.4092, 23.5304,
6.1206

■ 13.4092, 23.5304,
6.1206

■ 12.5134, 23.0957,
4.8847

■ 14.6042, 24.1087,
7.9140

■ 11.8877, 22.7890,
4.1397

■ 16.1205, 24.8387,
10.3186

■ 11.5361, 22.6159,
3.7573

■ 17.9800, 25.7314,
13.3834

■ 20.2023, 26.7960,
17.1522

■ 22.8054, 28.0407,
21.6649

■ 25.8061, 29.4736,
26.9584

■ 29.2201, 31.1019,
33.0672

■ 33.0625, 32.9327,
40.0237

■ 37.3475, 34.9727,
47.8587

Harmonies

Analogous

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



18.5839, 23.5304, 2.7522



13.4092, 23.5304, 6.1206



10.9570, 23.5304, 16.7146

Triad

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



13.4092, 23.5304, 6.1206



18.9892, 23.5304, 91.6140



39.6063, 23.5304, 15.7528

Complementary

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



13.4092, 23.5304, 6.1206



16.8493, 9.3140, 30.6167

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.



39.7852, 23.5304, 37.2335



13.4092, 23.5304, 6.1206



26.6269, 23.5304, 90.7994

Square

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



13.4092, 23.5304, 6.1206



13.6476, 23.5304, 69.0942



34.6187, 23.5304, 67.2611



34.1746, 23.5304, 5.7604

Rectangle

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



13.4092, 23.5304, 6.1206



10.7338, 23.5304, 30.1954



34.6187, 23.5304, 67.2611



40.3184, 23.5304, 21.5329

Sweetspot

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



13.4098, 23.5314, 6.1211



39.8985, 49.3237, 37.6208



22.1409, 24.3609, 5.8210



8.7997, 11.0822, 8.0822



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.



13.4098, 23.5314, 6.1211



21.3738, 40.4159, 7.7414



13.7161, 23.5675, 11.6409



6.2073, 6.9643, 6.6229



9.6890, 18.9708, 3.1511



0.1627, 0.2928, 0.0479

Inverse Universe

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



16.8493, 9.3140, 30.6167



27.6665, 13.7056, 53.6209



16.8424, 9.6153, 16.8441



6.3776, 6.2806, 7.8051



12.6308, 5.9625, 25.3929



0.2090, 0.0995, 0.3806

Previews

White Background



This preview shows how the XYZ color 13.4092, 23.5304, 6.1206 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 13.4092, 23.5304, 6.1206 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 13.4092, 23.5304, 6.1206

Background



This preview shows how black text looks on a background with the XYZ color 13.4092, 23.5304, 6.1206.



This preview shows how white text looks on a background with the XYZ color 13.4092, 23.5304,

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

13.4092, 23.5304, 6.1206

Protanopia

20.9501, 23.2109, 5.2097

Deuteranopia

23.6205, 23.1781, 6.5970



Tritanopia

18.9900, 23.4849, 33.6692

Trichromacy



Original Color

13.4092, 23.5304, 6.1206

Protanomaly

16.8313, 22.5542, 5.4738

Deuteranomaly

17.8225, 21.9853, 6.2100

Tritanomaly

16.0836, 23.2059, 19.2543

Monochromacy



Original Color

13.4092, 23.5304, 6.1206

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.5542, 17.8689, 11.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4092, 23.5304, 6.1206 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(58, 152, 43)` looks like.

```
.text, #text, p{  
    color:rgb(58, 152, 43)  
}
```

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(58, 152, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 152, 43) }
```

Border

The CSS property to change the border of an element to XYZ 13.4092, 23.5304, 6.1206 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(58, 152, 43) }
```


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

```
.border{ border-color:rgb(58, 152, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 152, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 152, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 152, 43);  
box-shadow:4px 4px 4px 4px rgb(58, 152,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4092, 23.5304, 6.1206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 152, 43) }
```

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

```
.background{ background-color: rgb(58, 152,  
43) }
```

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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