

Converting Colors

XYZ(13.1062, 18.6054, 4.1102)

Have a look what the booklet for
XYZ(13.1062, 18.6054, 4.1102)
contains.

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Color

**XYZ(13.0408, 18.5458,
4.1207)**

Conversions

Conversions Part 1

Format	Color
Hex	60821E
RGB	96, 130, 30
RGB Percent	38%, 51%, 12%
CMY	0.6235, 0.4902, 0.8823
CMYK	0.26, 0.00, 0.77, 0.49
HSL	80°, 62%, 31%
HSV	80°, 77%, 51%
XYZ	13.0408, 18.5458, 4.1207
YIQ	108.4340, 11.8360, -38.3080

Conversions

Conversions Part 2

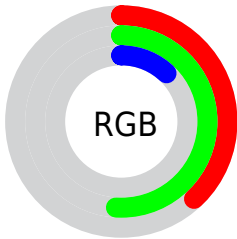
Format	Color
RYB	30, 130, 64
Decimal	6324766
CIELab	50.15, -27.25, 46.91
CIELCh	50, 54.248, 120.156
Yxy	18.5458, 0.3652, 0.5194
Android (android.graphics.Color)	4284514846 (0xFF60821E)
YUV	108.4340, -38.6680, -10.9046
Hunter-Lab	43.0648, -21.3105, 24.4722

Details

The XYZ color **13.0408, 18.5458, 4.1207** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.6088, 3.6308, 21.4727**, and the grayscale version is **14.4796, 15.2336, 16.5894**.

A 20% lighter version of the original color is **31.0342, 40.9602, 14.2531**, and **3.9508, 6.2952, 1.0069** is the 20% darker color. If you saturate the color by 10%, you get **12.4559, 18.2603, 3.3986**, and if you desaturate by 10%, it is **13.7213, 18.8739, 5.2058**.

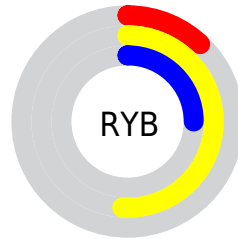
Distribution



Red (38%)

Green (51%)

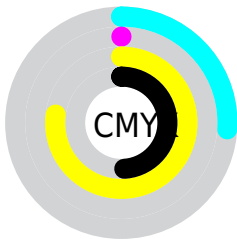
Blue (12%)



Red (12%)

Yellow (51%)

Blue (25%)

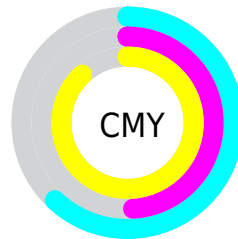


Cyan (26%)

Magenta (0%)

Yellow (77%)

Black (49%)



Cyan (62%)

Magenta (49%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0408, 18.5458, 4.1207 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 13.0408, 18.5458, 4.1207 by changing the saturation by 10% instead.

■ 13.0408, 18.5458,
4.1207

■ 13.0408, 18.5458,
4.1207

204.8113,
243.9297, 149.5576

■ 7.5338, 11.3425,
1.6918

■ 30.9778, 40.9652,
14.2872

■ 3.8474, 6.2977,
0.3551

■ 44.1385, 56.9501,
22.8618

■ 1.6162, 3.0270,
0.0000

■ 60.5811, 76.6310,
34.3222

■ 0.4029, 1.1458,
0.0000

■ 80.6711, 100.3924,
49.0867

■ 0.0000, 0.0168,
0.0000

■ 104.7738,
128.6185, 67.5740

■ 0.0000, 0.0000,
0.0000

■ 133.2544,

161.6939, 90.2025

166.4785,
200.0028, 117.3909

13.0408, 18.5458,
4.1207

13.0408, 18.5458,
4.1207

12.4559, 18.2603,
3.3986

13.7213, 18.8739,
5.2058

11.9502, 18.0087,
2.9612

14.5040, 19.2453,
6.6923

11.8021, 17.9349,
2.8397

15.3963, 19.6637,
8.6151

16.4044, 20.1315,
11.0049

17.5340, 20.6512,
13.8898

■ 18.7905, 21.2248,
17.2955

■ 20.1787, 21.8545,
21.2461

■ 21.7033, 22.5420,
25.7639

■ 23.3686, 23.2892,
30.8703

Harmonies

Analogous

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



17.5999, 18.5458, 2.9115



13.0408, 18.5458, 4.1207



10.2615, 18.5458, 8.9804

Triad

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



13.0408, 18.5458, 4.1207



13.0795, 18.5458, 56.9141



29.7236, 18.5458, 20.1151

Complementary

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



13.0408, 18.5458, 4.1207



6.6088, 3.6308, 21.4727

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.



27.8731, 18.5458, 38.1941



13.0408, 18.5458, 4.1207



17.6545, 18.5458, 64.8841

Square

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



13.0408, 18.5458, 4.1207



10.2805, 18.5458, 38.4016



23.1797, 18.5458, 56.7582



27.8361, 18.5458, 8.9017

Rectangle

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



13.0408, 18.5458, 4.1207



9.4565, 18.5458, 15.6566



23.1797, 18.5458, 56.7582



29.5142, 18.5458, 25.5311

Sweetspot

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



13.0412, 18.5466, 4.1211



31.6039, 36.6991, 26.3934



11.2371, 8.4323, 2.2639



7.0047, 8.2386, 5.5779



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.0412, 18.5466, 4.1211



21.2896, 31.8354, 5.4194



9.3746, 16.6564, 3.9495



4.5277, 4.9485, 4.6366



11.3232, 17.1997, 2.7231



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.6088, 3.6308, 21.4727



9.5003, 4.3005, 37.5218



11.3473, 6.0736, 21.6945



4.2360, 4.2773, 5.4156



4.8747, 2.0667, 20.3919



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0408, 18.5458, 4.1207 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 13.0408, 18.5458, 4.1207 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 13.0408, 18.5458, 4.1207

Background



This preview shows how black text looks on a background with the XYZ color 13.0408, 18.5458, 4.1207.



This preview shows how white text looks on a background with the XYZ color 13.0408, 18.5458,

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

13.0408, 18.5458, 4.1207

Protanopia

16.6262, 18.3411, 3.7008

Deuteranopia

18.6494, 18.3398, 4.3907



Tritanopia

16.9975, 18.4392, 24.1360

Trichromacy



Original Color

13.0408, 18.5458, 4.1207

Protanomaly

15.0383, 18.2428, 3.8272

Deuteranomaly

16.1061, 18.0608, 4.2273

Tritanomaly

14.8216, 18.1070, 13.3035

Monochromacy



Original Color

13.0408, 18.5458, 4.1207

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4023, 16.0130, 9.9739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0408, 18.5458, 4.1207 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(96, 130, 30)` looks like.

```
.text, #text, p{  
    color:rgb(96, 130, 30)  
}
```

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(96, 130, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 130, 30) }
```

Border

The CSS property to change the border of an element to XYZ 13.0408, 18.5458, 4.1207 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(96, 130, 30) }
```


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

```
.border{ border-color:rgb(96, 130, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 130, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 130, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 130, 30);  
box-shadow:4px 4px 4px 4px rgb(96, 130,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0408, 18.5458, 4.1207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 130, 30) }
```

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

```
.background{ background-color: rgb(96, 130,  
30) }
```

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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