

Converting Colors

XYZ(13.0884, 18.1022, 3.1765)

Have a look what the booklet for
XYZ(13.0884, 18.1022, 3.1765)
contains.

XYZ(13.1586, 18.2341, 3.2068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1586, 18.2341,
3.2068)**

Conversions

Conversions Part 1

Format	Color
Hex	65800D
RGB	101, 128, 13
RGB Percent	40%, 50%, 5%
CMY	0.6039, 0.4980, 0.9490
CMYK	0.21, 0.00, 0.90, 0.50
HSL	74°, 82%, 28%
HSV	74°, 90%, 50%
XYZ	13.1586, 18.2341, 3.2068
YIQ	106.8170, 20.8230, -41.4890

Conversions

Conversions Part 2

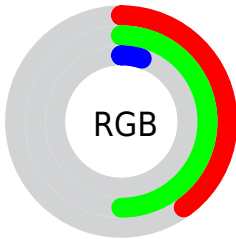
Format	Color
RYB	13, 128, 40
Decimal	6651917
CIELab	49.78, -24.87, 51.65
CIElCh	50, 57.324, 115.713
Yxy	18.2341, 0.3803, 0.5270
Android (android.graphics.Color)	4284841997 (0xFF65800D)
YUV	106.8170, -46.2518, -5.1015
Hunter-Lab	42.7014, -19.7220, 25.4384

Details

The XYZ color **13.1586, 18.2341, 3.2068** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.9161, 2.2980, 20.6077**, and the grayscale version is **14.0450, 14.7765, 16.0916**.

A 20% lighter version of the original color is **31.1788, 40.4712, 12.1297**, and **4.1114, 6.2701, 0.9936** is the 20% darker color. If you saturate the color by 10%, you get **12.7570, 18.0359, 2.8149**, and if you desaturate by 10%, it is **13.6134, 18.4563, 3.8110**.

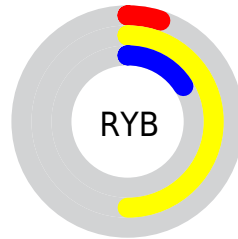
Distribution



Red (40%)

Green (50%)

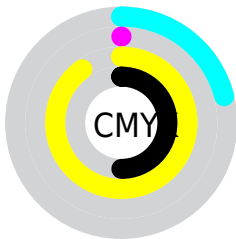
Blue (5%)



Red (5%)

Yellow (50%)

Blue (16%)

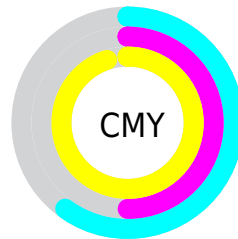


Cyan (21%)

Magenta (0%)

Yellow (90%)

Black (50%)



Cyan (60%)

Magenta (50%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1586, 18.2341, 3.2068 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 13.1586, 18.2341, 3.2068 by changing the saturation by 10% instead.

■ 13.1586, 18.2341,
3.2068

■ 13.1586, 18.2341,
3.2068

205.5487,
242.1873, 138.9524

■ 7.6156, 11.1182,
1.2012

■ 31.1873, 40.4358,
12.1346

■ 3.8997, 6.1464,
0.0000

■ 44.4037, 56.2904,
19.8939

■ 1.6456, 2.9343,
0.0000

■ 60.9087, 75.8267,
30.4081

■ 0.4218, 1.0975,
0.0000

■ 81.0675, 99.4291,
44.0958

■ 0.0000, 0.0000,
0.0000

■ 105.2456,
127.4819, 61.3755

■ 133.8082,

160.3696, 82.6659

167.1208,
198.4766, 108.3853

13.1586, 18.2341,
3.2068

13.1586, 18.2341,
3.2068

12.7570, 18.0359,
2.8149

13.6134, 18.4563,
3.8110

12.7506, 18.0328,
2.8086

14.1441, 18.7096,
4.7515

14.7587, 18.9979,
6.0686

15.4639, 19.3240,
7.7967

16.2657, 19.6901,
9.9663

■ 17.1695, 20.0985,
12.6050

■ 18.1800, 20.5512,
15.7383

■ 19.3020, 21.0499,
19.3896

■ 20.5397, 21.5965,
23.5810

Harmonies

Analogous

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



18.1287, 18.2341, 2.4221



13.1586, 18.2341, 3.2068



10.0158, 18.2341, 7.2649

Triad

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



13.1586, 18.2341, 3.2068



12.0580, 18.2341, 56.5615



30.0690, 18.2341, 22.1905

Complementary

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



13.1586, 18.2341, 3.2068



4.9161, 2.2980, 20.6077

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.



27.5478, 18.2341, 42.1010



13.1586, 18.2341, 3.2068



16.5570, 18.2341, 67.5493

Square

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



13.1586, 18.2341, 3.2068



9.4804, 18.2341, 35.9891



22.3034, 18.2341, 61.2059



28.6321, 18.2341, 9.4472

Rectangle

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



13.1586, 18.2341, 3.2068



9.0097, 18.2341, 13.3125



22.3034, 18.2341, 61.2059



29.6440, 18.2341, 28.2486

Sweetspot

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



13.1590, 18.2349, 3.2072



30.6057, 35.5545, 23.3380



9.7287, 6.1254, 1.0506



7.0537, 8.2740, 5.1253



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.



13.1590, 18.2349, 3.2072



22.3175, 31.6804, 4.9387



8.8170, 15.9965, 3.0040



4.5697, 4.9702, 4.6386



12.6437, 17.8804, 2.7849



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9161, 2.2980, 20.6077



7.6938, 3.1738, 36.1634



9.0064, 4.4066, 20.7991



4.1961, 4.2567, 5.4137



4.3971, 1.8205, 20.3696



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1586, 18.2341, 3.2068 looks on a white 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

Black Background



This preview shows how the XYZ color 13.1586, 18.2341, 3.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

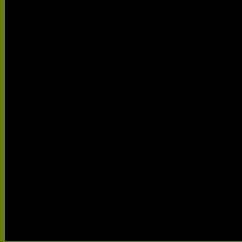
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1586, 18.2341, 3.2068

Background



This preview shows how black text looks on a background with the XYZ color 13.1586, 18.2341, 3.2068.



This preview shows how white text looks on a background with the XYZ color 13.1586, 18.2341,

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

13.1586, 18.2341, 3.2068

Protanopia

16.2006, 17.9631, 2.8718

Deuteranopia

18.3750, 18.0525, 3.4933



Tritanopia

17.1752, 18.1969, 23.0292

Trichromacy



Original Color

13.1586, 18.2341, 3.2068

Protanomaly

14.8995, 18.0059, 2.9774

Deuteranomaly

16.1295, 17.9165, 3.3176

Tritanomaly

14.8236, 17.7791, 11.4545

Monochromacy



Original Color

13.1586, 18.2341, 3.2068

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1590, 15.7458, 8.6490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1586, 18.2341, 3.2068 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(101, 128, 13)` looks like.

```
.text, #text, p{  
    color:rgb(101, 128, 13)  
}
```

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(101, 128, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 128, 13) }
```

Border

The CSS property to change the border of an element to XYZ 13.1586, 18.2341, 3.2068 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(101, 128, 13) }
```


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

```
.border{ border-color:rgb(101, 128, 13) }
```

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

Here you see how a box with a 4 pixel rgb(101, 128, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 128, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 128, 13);  
box-shadow:4px 4px 4px 4px rgb(101, 128,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1586, 18.2341, 3.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 128, 13) }
```

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

```
.background{ background-color: rgb(101,  
128, 13) }
```

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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