

Converting Colors

XYZ(13.7342, 18.7313, 16.0737)

Have a look what the booklet for
XYZ(13.7342, 18.7313, 16.0737)
contains.

XYZ(13.6232, 18.5844, 15.9658)	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(13.6232, 18.5844,
15.9658)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8268
RGB	78, 130, 104
RGB Percent	31%, 51%, 41%
CMY	0.6941, 0.4902, 0.5922
CMYK	0.40, 0.00, 0.20, 0.49
HSL	150°, 25%, 41%
HSV	150°, 40%, 51%
XYZ	13.6232, 18.5844, 15.9658
YIQ	111.4880, -22.6460, -19.1100

Conversions

Conversions Part 2

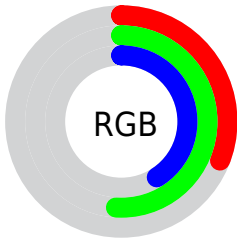
Format	Color
RYB	78, 113, 130
Decimal	5145192
CIELab	50.20, -23.67, 8.67
CIElCh	50, 25.204, 159.882
Yxy	18.5844, 0.2828, 0.3858
Android (android.graphics.Color)	4283335272 (0xFF4E8268)
YUV	111.4880, -3.6916, -29.3690
Hunter-Lab	43.1096, -19.0335, 8.2185

Details

The XYZ color **13.6232, 18.5844, 15.9658** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4296, 11.1946, 14.4977**, and the grayscale version is **15.2669, 16.0620, 17.4915**.

A 20% lighter version of the original color is **31.9031, 40.9007, 37.2235**, and **4.0861, 6.2796, 4.8676** is the 20% darker color. If you saturate the color by 10%, you get **12.3441, 17.9622, 14.2485**, and if you desaturate by 10%, it is **15.1394, 19.3269, 17.8279**.

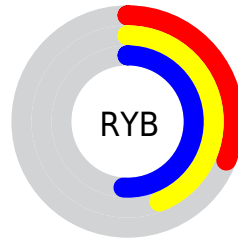
Distribution



Red (31%)

Green (51%)

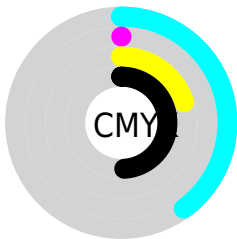
Blue (41%)



Red (31%)

Yellow (44%)

Blue (51%)

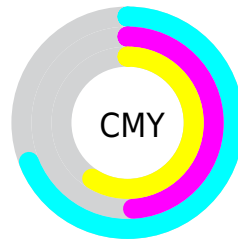


Cyan (40%)

Magenta (0%)

Yellow (20%)

Black (49%)



Cyan (69%)

Magenta (49%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6232, 18.5844, 15.9658 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 13.6232, 18.5844, 15.9658 by changing the saturation by 10% instead.

■ 13.6232, 18.5844,
15.9658

■ 13.6232, 18.5844,
15.9658

208.4318,
244.1447, 240.9786

■ 7.9390, 11.3704,
9.3459

■ 32.0108, 41.0306,
37.3048

■ 4.1074, 6.3165,
4.8676

■ 45.4450, 57.0316,
52.8609

■ 1.7631, 3.0385,
2.1124

■ 62.1931, 76.7304,
72.2329

■ 0.4953, 1.1519,
0.6231

■ 82.6207, 100.5113,
95.8391

■ 0.0000, 0.0219,
0.0000

■ 107.0930,
128.7589, 124.0983

■ 0.0000, 0.0000,
0.0000

135.9754,

161.8573, 157.4289

169.6332,
200.1911, 196.2495

■ 13.6232, 18.5844,
15.9658

■ 13.6232, 18.5844,
15.9658

■ 12.3441, 17.9622,
14.2485

■ 15.1394, 19.3269,
17.8279

■ 11.2875, 17.4513,
12.6711

■ 16.9031, 20.1935,
19.8370

■ 10.4396, 17.0452,
11.2304

■ 18.9260, 21.1906,
21.9968

■ 9.7841, 16.7356,
9.9223

■ 21.2187, 22.3237,
24.3105

■ 9.3024, 16.5128,
8.7426

■ 23.7909, 23.5977,
26.7812

■ 8.9371, 16.3475,
7.6852

■ 26.6520, 25.0174,
29.4120

■ 8.9370, 16.3475,
7.6852

■ 29.8109, 26.5873,
32.2057

■ 33.2763, 28.3118,
35.1651

■ 37.0561, 30.1951,
38.2931

Harmonies

Analogous

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



14.8293, 18.5844, 11.5931



13.6232, 18.5844, 15.9658



13.4422, 18.5844, 22.6242

Triad

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



13.6232, 18.5844, 15.9658



18.4795, 18.5844, 36.5231



21.5047, 18.5844, 12.7993

Complementary

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



13.6232, 18.5844, 15.9658



14.4296, 11.1946, 14.4977

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.



22.6881, 18.5844, 18.0207



13.6232, 18.5844, 15.9658



20.8385, 18.5844, 32.3636

Square

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



13.6232, 18.5844, 15.9658



16.1024, 18.5844, 35.6131



22.4337, 18.5844, 25.2051



19.3233, 18.5844, 10.0774

Rectangle

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



13.6232, 18.5844, 15.9658



13.9083, 18.5844, 27.6758



22.4337, 18.5844, 25.2051



22.0411, 18.5844, 14.2643

Sweetspot

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



13.6237, 18.5852, 15.9662



32.4786, 36.8973, 37.8489



15.1684, 19.5113, 10.1746



7.2665, 8.3097, 8.4775



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.



13.6237, 18.5852, 15.9662



21.9270, 31.7234, 25.3574



15.0964, 19.1743, 23.7215



4.3587, 4.8518, 5.0601



8.5724, 15.6755, 7.3868



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4296, 11.1946, 14.4977



23.5528, 16.8142, 22.3950



13.3373, 10.7576, 8.7455



4.4104, 4.3773, 4.9658



9.7454, 4.9179, 5.2492



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6232, 18.5844, 15.9658 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 13.6232, 18.5844, 15.9658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

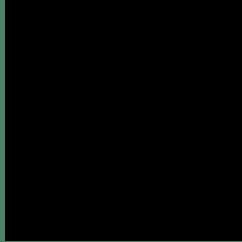
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6232, 18.5844, 15.9658

Background



This preview shows how black text looks on a background with the XYZ color 13.6232, 18.5844, 15.9658.



This preview shows how white text looks on a background with the XYZ color 13.6232, 18.5844,

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

13.6232, 18.5844, 15.9658

Protanopia

17.4056, 18.5111, 14.2109

Deuteranopia

18.7762, 18.4739, 16.4861



Tritanopia

15.6511, 18.6306, 26.0637

Trichromacy



Original Color

13.6232, 18.5844, 15.9658

Protanomaly

15.6899, 18.3372, 14.7691

Deuteranomaly

16.2574, 18.0510, 16.2630

Tritanomaly

14.7071, 18.4278, 21.8506

Monochromacy



Original Color

13.6232, 18.5844, 15.9658

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.3308, 16.6922, 16.6540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6232, 18.5844, 15.9658 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(78, 130, 104)` looks like.

```
.text, #text, p{  
    color:rgb(78, 130, 104)  
}
```

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(78, 130, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 130, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.6232, 18.5844, 15.9658 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(78, 130, 104) }
```


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

```
.border{ border-color:rgb(78, 130, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 130, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 130, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 130, 104);  
box-shadow:4px 4px 4px 4px rgb(78, 130,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6232, 18.5844, 15.9658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 130, 104) }
```

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

```
.background{ background-color: rgb(78, 130,  
104) }
```

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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