

Converting Colors

XYZ(22.4371, 32.4284, 13.8026)

Have a look what the booklet for
XYZ(22.4371, 32.4284, 13.8026)
contains.

XYZ(22.4232, 32.4273, 13.8814)	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(22.4232, 32.4273,
13.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	6FA956
RGB	111, 169, 86
RGB Percent	44%, 66%, 34%
CMY	0.5647, 0.3372, 0.6627
CMYK	0.34, 0.00, 0.49, 0.34
HSL	102°, 33%, 50%
HSV	102°, 49%, 66%
XYZ	22.4232, 32.4273, 13.8814
YIQ	142.1960, -7.9250, -38.1090

Conversions

Conversions Part 2

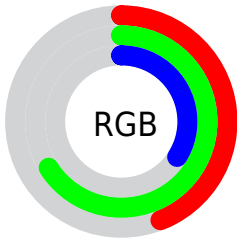
Format	Color
RYB	86, 169, 144
Decimal	7317846
CIELab	63.69, -34.56, 36.74
CIElCh	64, 50.444, 133.245
Yxy	32.4273, 0.3262, 0.4718
Android (android.graphics.Color)	4285507926 (0xFF6FA956)
YUV	142.1960, -27.7046, -27.3589
Hunter-Lab	56.9450, -29.3658, 25.4084

Details

The XYZ color **22.4232, 32.4273, 13.8814** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.9924, 15.4505, 39.3610**, and the grayscale version is **25.8980, 27.2467, 29.6717**.

A 20% lighter version of the original color is **46.9576, 63.6559, 33.4788**, and **8.3830, 13.5542, 3.9247** is the 20% darker color. If you saturate the color by 10%, you get **20.4323, 31.4715, 10.6446**, and if you desaturate by 10%, it is **24.7732, 33.5516, 17.9768**.

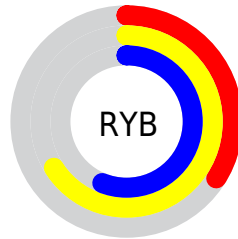
Distribution



Red (44%)

Green (66%)

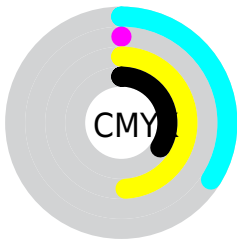
Blue (34%)



Red (34%)

Yellow (66%)

Blue (56%)

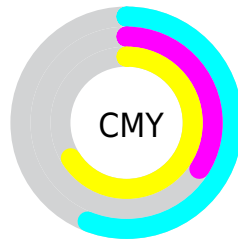


Cyan (34%)

Magenta (0%)

Yellow (49%)

Black (34%)



Cyan (56%)

Magenta (34%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4232, 32.4273, 13.8814 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 22.4232, 32.4273, 13.8814 by changing the saturation by 10% instead.

■ 22.4232, 32.4273,
13.8814

■ 22.4232, 32.4273,
13.8814

257.3395,
313.0612, 227.8945

■ 14.2865, 21.6881,
7.9004

■ 46.9181, 63.4804,
33.5925

■ 8.4033, 13.6279,
3.9444

■ 64.0071, 84.5630,
48.1598

■ 4.4080, 7.8623,
1.5949

■ 84.8109, 109.8622,
66.4262

■ 1.9355, 4.0070,
0.2872

■ 109.6948,
139.7625, 88.8103

■ 0.5973, 1.6775,
0.0000

■ 139.0243,
174.6481, 115.7306

■ 0.0000, 0.4090,
0.0000

173.1647,

■ 0.0000, 0.0000,

214.9035, 147.6057

0.0000

212.4813,
260.9130, 184.8542

■ 22.4232, 32.4273,
13.8814

■ 22.4232, 32.4273,
13.8814

■ 20.4323, 31.4715,
10.6446

■ 24.7732, 33.5516,
17.9768

■ 18.7790, 30.6715,
8.2031

■ 27.4976, 34.8481,
22.9838

■ 17.4428, 30.0193,
6.4886


■ 30.6136, 36.3255,
28.9536


■ 16.3998, 29.5042,
5.4201


■ 34.1366, 37.9908,
35.9329

■ 15.6103, 29.1092,
4.8390


■ 38.0810, 39.8505,
43.9656

 15.5488, 29.0784,
4.7932

 42.4606, 41.9108,
53.0928

 47.2887, 44.1777,
63.3534

 52.5776, 46.6567,
74.7846

 58.3395, 49.3533,
87.4216

Harmonies

Analogous

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



27.8138, 32.4273, 9.3711



22.4232, 32.4273, 13.8814



19.5621, 32.4273, 25.2420

Triad

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



22.4232, 32.4273, 13.8814



27.0702, 32.4273, 87.1665



46.0173, 32.4273, 27.1269

Complementary

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



22.4232, 32.4273, 13.8814



21.9924, 15.4505, 39.3610

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.



45.7366, 32.4273, 47.7465



22.4232, 32.4273, 13.8814



34.0379, 32.4273, 88.2976

Square

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



22.4232, 32.4273, 13.8814



21.9507, 32.4273, 69.2121



41.0909, 32.4273, 71.8843



41.8076, 32.4273, 14.8052

Rectangle

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



22.4232, 32.4273, 13.8814



19.1553, 32.4273, 37.5548



41.0909, 32.4273, 71.8843



46.4620, 32.4273, 33.1523

Sweetspot

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



22.4240, 32.4287, 13.8821



57.1621, 66.1598, 56.4378



27.8232, 28.6682, 12.8717



12.1889, 14.2922, 11.7697



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.4240, 32.4287, 13.8821



36.2868, 56.2142, 18.5914



20.3863, 31.2997, 17.3353



7.6413, 8.5132, 8.0297



11.6364, 21.6960, 3.5745



0.3342, 0.5542, 0.0894

Inverse Universe

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



21.9924, 15.4505, 39.3610



35.3744, 22.1712, 69.6401



25.5059, 17.4174, 32.4964



7.6187, 7.5515, 9.4744



10.9719, 5.0397, 28.3700



0.3150, 0.1474, 0.6925

Previews

White Background



This preview shows how the XYZ color 22.4232, 32.4273, 13.8814 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.4232, 32.4273, 13.8814 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 ✓ Pass

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

XYZ 22.4232, 32.4273, 13.8814

Background



This preview shows how black text looks on a background with the XYZ color 22.4232, 32.4273, 13.8814.



This preview shows how white text looks on a background with the XYZ color 22.4232, 32.4273,

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

22.4232, 32.4273, 13.8814

Protanopia

29.4030, 32.1403, 12.4386

Deuteranopia

32.6152, 32.0792, 14.5981



Tritanopia

28.3020, 32.1348, 43.7407

Trichromacy



Original Color

22.4232, 32.4273, 13.8814

Protanomaly

26.1722, 31.7167, 12.9261

Deuteranomaly

27.8649, 31.5518, 14.2943

Tritanomaly

25.6506, 32.1105, 30.0453

Monochromacy



Original Color

22.4232, 32.4273, 13.8814

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.1012, 28.6869, 22.6792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4232, 32.4273, 13.8814 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(111, 169, 86)` looks like.

```
.text, #text, p{  
    color:rgb(111, 169, 86)  
}
```

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(111, 169, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 169, 86) }
```

Border

The CSS property to change the border of an element to XYZ 22.4232, 32.4273, 13.8814 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(111, 169, 86) }
```


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

```
.border{ border-color:rgb(111, 169, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 169, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 169, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 169, 86);  
box-shadow:4px 4px 4px 4px rgb(111, 169,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4232, 32.4273, 13.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 169, 86) }
```

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

```
.background{ background-color: rgb(111,  
169, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor