

Converting Colors

XYZ(23.5657, 32.4557, 14.4524)

Have a look what the booklet for
XYZ(23.5657, 32.4557, 14.4524)
contains.

XYZ(23.5070, 32.4236, 14.4706)	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(23.5070, 32.4236,
14.4706)**

Conversions

Conversions Part 1

Format	Color
Hex	79A759
RGB	121, 167, 89
RGB Percent	47%, 65%, 35%
CMY	0.5255, 0.3451, 0.6510
CMYK	0.28, 0.00, 0.47, 0.35
HSL	95°, 31%, 50%
HSV	95°, 47%, 65%
XYZ	23.5070, 32.4236, 14.4706
YIQ	144.3540, -2.3780, -34.0100

Conversions

Conversions Part 2

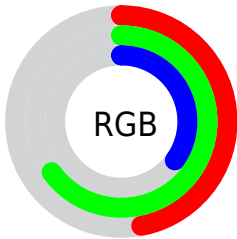
Format	Color
RYB	89, 167, 135
Decimal	7972697
CIELab	63.69, -29.65, 35.34
CIELCh	64, 46.125, 129.997
Yxy	32.4236, 0.3339, 0.4606
Android (android.graphics.Color)	4286162777 (0xFF79A759)
YUV	144.3540, -27.2895, -20.4815
Hunter-Lab	56.9417, -25.9587, 24.7918

Details

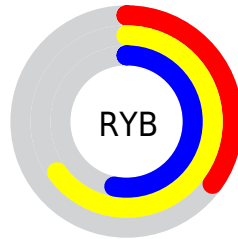
The XYZ color **23.5070, 32.4236, 14.4706** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.5405, 15.0866, 38.3904**, and the grayscale version is **26.7602, 28.1538, 30.6595**.

A 20% lighter version of the original color is **48.5341, 63.2500, 34.4614**, and **8.9680, 13.6799, 4.1753** is the 20% darker color. If you saturate the color by 10%, you get **21.5735, 31.4999, 11.1257**, and if you desaturate by 10%, it is **25.7422, 33.4865, 18.6614**.

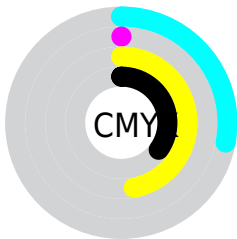
Distribution



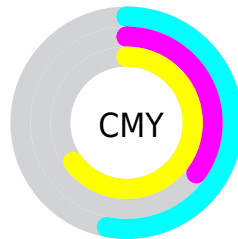
- Red (47%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (53%)



- Cyan (28%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)



- Cyan (53%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5070, 32.4236, 14.4706 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 23.5070, 32.4236, 14.4706 by changing the saturation by 10% instead.

■ 23.5070, 32.4236,
14.4706

■ 23.5070, 32.4236,
14.4706

262.8054,
313.0444, 231.6685

■ 15.0911, 21.6853,
8.3062

■ 48.6850, 63.4746,
34.6508

■ 8.9701, 13.6258,
4.2009

■ 66.1779, 84.5560,
49.5037

■ 4.7786, 7.8609,
1.7362

■ 87.4270, 109.8539,
68.0899

■ 2.1514, 4.0061,
0.3854

■ 112.7979,
139.7527, 90.8278

■ 0.7169, 1.6770,
0.0000

142.6558,
174.6367, 118.1361

■ 0.0000, 0.4087,
0.0000

177.3661,

■ 0.0000, 0.0000,

214.8904, 150.4333

0.0000

217.2942,
260.8982, 188.1379

■ 23.5070, 32.4236,
14.4706

■ 23.5070, 32.4236,
14.4706

■ 21.5735, 31.4999,
11.1257

■ 25.7422, 33.4865,
18.6614

■ 19.9241, 30.7045,
8.5669

■ 28.2906, 34.6903,
23.7483

■ 18.5430, 30.0317,
6.7303


■ 31.1660, 36.0420,
29.7798


■ 17.4113, 29.4735,
5.5405


■ 34.3804, 37.5471,
36.8006


■ 16.5036, 29.0190,
4.8894


■ 37.9454, 39.2104,
44.8523

 16.2389, 28.8861,
4.7197

 41.8719, 41.0367,
53.9744

 46.1702, 43.0306,
64.2041

 50.8504, 45.1965,
75.5768

 55.9220, 47.5385,
88.1265

Harmonies

Analogous

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



28.7123, 32.4236, 10.5894



23.5070, 32.4236, 14.4706



20.5620, 32.4236, 24.4850

Triad

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



23.5070, 32.4236, 14.4706



26.7632, 32.4236, 80.3610



44.7319, 32.4236, 29.4841

Complementary

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



23.5070, 32.4236, 14.4706



20.5405, 15.0866, 38.3904

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.



44.0173, 32.4236, 48.9157



23.5070, 32.4236, 14.4706



33.0235, 32.4236, 83.1702

Square

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



23.5070, 32.4236, 14.4706



22.2519, 32.4236, 63.4423



39.5057, 32.4236, 70.1464



41.3401, 32.4236, 17.0273

Rectangle

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



23.5070, 32.4236, 14.4706



19.9954, 32.4236, 35.3022



39.5057, 32.4236, 70.1464



44.9740, 32.4236, 35.3054

Sweetspot

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



23.5078, 32.4250, 14.4713



57.1688, 65.1814, 56.2486



26.3351, 26.1267, 13.1066



12.5351, 14.4653, 12.0311



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.



23.5078, 32.4250, 14.4713



38.5367, 56.3644, 19.7632



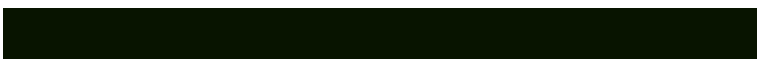
20.0279, 30.5981, 15.7970



7.7173, 8.5524, 8.0333



12.4786, 22.1302, 3.6139



0.3620, 0.5685, 0.0907

Inverse Universe

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



20.5405, 15.0866, 38.3904



32.5448, 21.4588, 67.9019



25.8990, 17.9167, 35.5823



7.5398, 7.5109, 9.4707



9.2892, 4.1722, 28.2912



0.2819, 0.1303, 0.6909

Previews

White Background



This preview shows how the XYZ color 23.5070, 32.4236, 14.4706 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 23.5070, 32.4236, 14.4706 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 23.5070, 32.4236, 14.4706

Background



This preview shows how black text looks on a background with the XYZ color 23.5070, 32.4236, 14.4706.



This preview shows how white text looks on a background with the XYZ color 23.5070, 32.4236, 14.4706.

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

23.5070, 32.4236, 14.4706

Protanopia

29.5180, 32.1863, 13.0443

Deuteranopia

32.7038, 32.1147, 15.0648



Tritanopia

29.1554, 32.3425, 42.7363

Trichromacy



Original Color

23.5070, 32.4236, 14.4706

Protanomaly

27.0267, 32.1436, 13.5840

Deuteranomaly

28.3877, 31.5653, 14.7217

Tritanomaly

26.6058, 32.0800, 29.9891

Monochromacy



Original Color

23.5070, 32.4236, 14.4706

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.0197, 29.1459, 23.3758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5070, 32.4236, 14.4706 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(121, 167, 89)` looks like.

```
.text, #text, p{  
    color:rgb(121, 167, 89)  
}
```

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(121, 167, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 167, 89) }
```

Border

The CSS property to change the border of an element to XYZ 23.5070, 32.4236, 14.4706 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(121, 167, 89) }
```


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

```
.border{ border-color:rgb(121, 167, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 167, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 167, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 167, 89);  
box-shadow:4px 4px 4px 4px rgb(121, 167,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5070, 32.4236, 14.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 167, 89) }
```

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

```
.background{ background-color: rgb(121,  
167, 89) }
```

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