

Converting Colors

XYZ(30.1858, 32.8017, 4.4222)

Have a look what the booklet for
XYZ(30.1858, 32.8017, 4.4222)
contains.

XYZ(30.1460, 32.6949, 4.7219)	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(30.1460, 32.6949,
4.7219)**

Conversions

Conversions Part 1

Format	Color
Hex	B39A00
RGB	179, 154, 0
RGB Percent	70%, 60%, 0%
CMY	0.2980, 0.3961, 0.9999
CMYK	0.00, 0.14, 1.00, 0.30
HSL	52°, 100%, 35%
HSV	52°, 100%, 70%
XYZ	30.1460, 32.6949, 4.7219
YIQ	143.9190, 64.3340, -42.5940

Conversions

Conversions Part 2

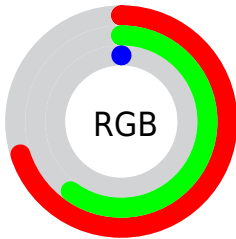
Format	Color
R _Y B	29, 179, 0
Decimal	11770368
CIE Lab	63.91, -3.47, 67.51
CIE LCh	64, 67.604, 92.942
Yxy	32.6949, 0.4462, 0.4839
Android (android.graphics.Color)	4289960448 (0xFFB39A00)
YUV	143.9190, -70.9521, 30.7660
Hunter-Lab	57.1795, -5.9557, 35.1294

Details

The XYZ color **30.1460, 32.6949, 4.7219** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.4846, 3.9503, 42.9628**, and the grayscale version is **26.7366, 28.1290, 30.6325**.

A 20% lighter version of the original color is **59.3885, 63.9569, 15.6934**, and **12.7354, 13.7654, 1.9858** is the 20% darker color. If you saturate the color by 10%, you get **30.1463, 32.6958, 4.7220**, and if you desaturate by 10%, it is **30.6720, 33.5736, 5.4323**.

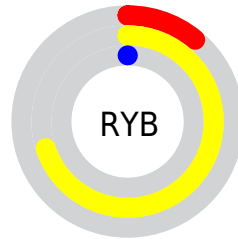
Distribution



Red (70%)

Green (60%)

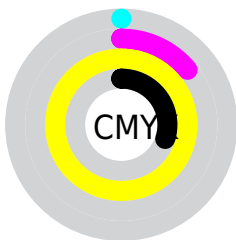
Blue (0%)



Red (11%)

Yellow (70%)

Blue (0%)

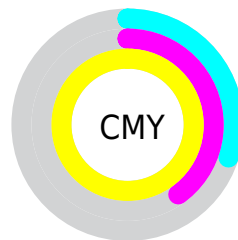


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1460, 32.6949, 4.7219 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 30.1460, 32.6949, 4.7219 by changing the saturation by 10% instead.

■ 30.1460, 32.6949,
4.7219

■ 30.1460, 32.6949,
4.7219

294.4820,
314.2727, 155.9399

■ 20.0981, 21.8928,
2.0292

■ 59.2780, 63.8989,
15.6431

■ 12.5750, 13.7782,
0.5731

■ 79.0928, 85.0696,
24.7087

■ 7.2115, 7.9665,
0.0000

■ 102.8940,
110.4653, 36.7357

■ 3.6422, 4.0735,
0.0000

■ 131.0468,
140.4704, 52.1426

■ 1.5018, 1.7148,
0.0000

■ 163.9166,
175.4693, 71.3479

■ 0.3271, 0.4332,
0.0000

■ 201.8689,

■ 0.0000, 0.0000,

215.8464, 94.7702

0.0000

245.2689,
261.9861, 122.8280

30.1460, 32.6949,
4.7219

30.1460, 32.6949,
4.7219

30.1463, 32.6958,
4.7220

30.6720, 33.5736,
5.4323

31.3047, 34.5076,
6.6649

32.0825, 35.5135,
8.6187

33.0235, 36.5986,
11.3887

34.1429, 37.7693,
15.0553

■ 35.4544, 39.0308,
19.6893

■ 36.9700, 40.3883,
25.3544

■ 38.7008, 41.8461,
32.1088

■ 40.6571, 43.4086,
40.0064

Harmonies

Analogous

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



40.1640, 32.6949, 6.3544



30.1460, 32.6949, 4.7219



22.1500, 32.6949, 7.2456

Triad

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



30.1460, 32.6949, 4.7219



18.1105, 32.6949, 72.3731



50.3836, 32.6949, 65.1528

Complementary

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



30.1460, 32.6949, 4.7219



8.4846, 3.9503, 42.9628

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.



42.1248, 32.6949, 100.1696



30.1460, 32.6949, 4.7219



23.4732, 32.6949, 105.6254

Square

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



30.1460, 32.6949, 4.7219



16.1502, 32.6949, 38.3565



32.0240, 32.6949, 117.7634



53.1640, 32.6949, 32.9773

Rectangle

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



30.1460, 32.6949, 4.7219



18.6416, 32.6949, 12.4377



32.0240, 32.6949, 117.7634



48.0832, 32.6949, 77.4354

Sweetspot

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



30.1467, 32.6965, 4.7225



66.0639, 72.2056, 44.8406



18.7866, 9.6624, 1.9034



14.3775, 15.7688, 8.9554



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.1467, 32.6965, 4.7225



53.8672, 58.3087, 8.4156



23.3697, 35.9773, 5.7130



9.0939, 9.7003, 9.0456



21.3386, 23.1758, 3.3487



0.6991, 0.7846, 0.1146

Inverse Universe

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



8.4846, 3.9503, 42.9628



15.1001, 6.8840, 76.9141



10.1649, 4.3005, 42.9418



8.1345, 8.4153, 10.7019



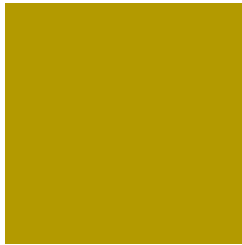
6.0247, 2.8498, 30.3695



0.2196, 0.1497, 0.9656

Previews

White Background



This preview shows how the XYZ color 30.1460, 32.6949, 4.7219 looks on a white background.

Color Contrast Check

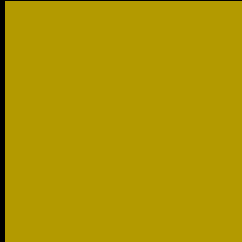
Large Text (above 18pt) WCAG AA × Fail

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 30.1460, 32.6949, 4.7219 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 30.1460, 32.6949, 4.7219

Background



This preview shows how black text looks on a background with the XYZ color 30.1460, 32.6949, 4.7219.



This preview shows how white text looks on a background with the XYZ color 30.1460, 32.6949,

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

30.1460, 32.6949, 4.7219

Protanopia

29.4279, 32.5676, 4.8787

Deuteranopia

33.3079, 32.6469, 5.1182



Tritanopia

36.3942, 32.6694, 34.9595

Trichromacy



Original Color

30.1460, 32.6949, 4.7219

Protanomaly

29.6423, 32.6794, 4.8316

Deuteranomaly

32.2020, 32.7840, 4.9473

Tritanomaly

32.6459, 32.0636, 16.0235

Monochromacy



Original Color

30.1460, 32.6949, 4.7219

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.4263, 29.1206, 14.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1460, 32.6949, 4.7219 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(179, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 154, 0)  
}
```

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(179, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 154, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.1460, 32.6949, 4.7219 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(179, 154, 0) }
```


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

```
.border{ border-color:rgb(179, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 154,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1460, 32.6949, 4.7219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 154, 0) }
```

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

```
.background{ background-color: rgb(179,  
154, 0) }
```

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