

Converting Colors

XYZ(29.3325, 34.4927, 3.9220)

Have a look what the booklet for
XYZ(29.3325, 34.4927, 3.9220)
contains.

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Color

**XYZ(29.6748, 34.7404,
5.1415)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA300
RGB	170, 163, 0
RGB Percent	67%, 64%, 0%
CMY	0.3333, 0.3608, 0.9999
CMYK	0.00, 0.04, 1.00, 0.33
HSL	58°, 100%, 33%
HSV	58°, 100%, 67%
XYZ	29.6748, 34.7404, 5.1415
YIQ	146.5110, 56.4950, -49.2090

Conversions

Conversions Part 2

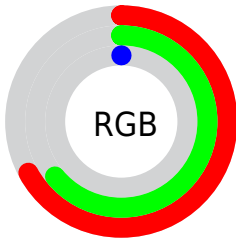
Format	Color
RYB	7, 170, 0
Decimal	11182848
CIELab	65.55, -12.29, 68.31
CIELCh	66, 69.405, 100.203
Yxy	34.7404, 0.4266, 0.4995
Android (android.graphics.Color)	4289372928 (0xFFAAA300)
YUV	146.5110, -72.2299, 20.5999
Hunter-Lab	58.9410, -13.2780, 36.0867

Details

The XYZ color **29.6748, 34.7404, 5.1415** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.3319, 3.0545, 38.2332**, and the grayscale version is **27.8048, 29.2528, 31.8563**.

A 20% lighter version of the original color is **58.6545, 67.3088, 16.5571**, and **12.6042, 15.0991, 2.2501** is the 20% darker color. If you saturate the color by 10%, you get **29.6754, 34.7418, 5.1418**, and if you desaturate by 10%, it is **29.9014, 35.0317, 5.7167**.

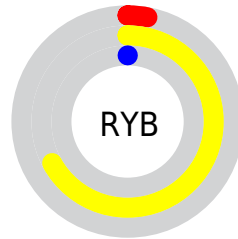
Distribution



Red (67%)

Green (64%)

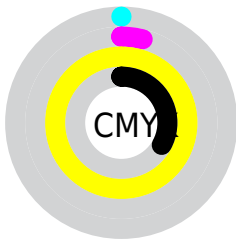
Blue (0%)



Red (3%)

Yellow (67%)

Blue (0%)

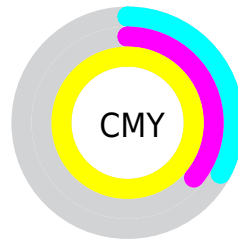


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6748, 34.7404, 5.1415 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 29.6748, 34.7404, 5.1415 by changing the saturation by 10% instead.


 29.6748, 34.7404,
5.1415


 29.6748, 34.7404,
5.1415


292.3228,
323.4210, 160.1748


 19.7387, 23.4630,
2.2703

 58.5377, 67.0834,
16.5669

 12.3124, 14.9357,
0.7145


 78.1952, 88.9178,
25.9582


 7.0305, 8.7743,
0.0000


 101.8239,
115.0399, 38.3600

 3.5277, 4.5943,
0.0000

 129.7892,
145.8342, 54.1908

 1.4386, 2.0112,
0.0000

 162.4563,
181.6851, 73.8691

 0.2835, 0.6140,
0.0000

 200.1907,

 0.0000, 0.0000,

222.9769, 97.8136

0.0000

243.3578,
270.0941, 126.4426

29.6748, 34.7404,
5.1415

29.6748, 34.7404,
5.1415

29.6754, 34.7418,
5.1418

29.9014, 35.0317,
5.7167

30.2143, 35.3572,
6.7466

30.6491, 35.7327,
8.4152

31.2217, 36.1644,
10.8058

31.9455, 36.6576,
13.9890

■ 32.8322, 37.2171,
18.0270

■ 33.8926, 37.8472,
22.9759

■ 35.1363, 38.5517,
28.8869

■ 36.5724, 39.3343,
35.8075

Harmonies

Analogous

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



40.0975, 34.7404, 5.8096



29.6748, 34.7404, 5.1415



21.9347, 34.7404, 9.1453

Triad

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



29.6748, 34.7404, 5.1415



20.2202, 34.7404, 86.7318



55.0547, 34.7404, 60.1486

Complementary

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



29.6748, 34.7404, 5.1415



7.3319, 3.0545, 38.2332

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.



47.3232, 34.7404, 98.7700



29.6748, 34.7404, 5.1415



26.8280, 34.7404, 118.8053

Square

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



29.6748, 34.7404, 5.1415



17.2677, 34.7404, 48.6419



36.6070, 34.7404, 124.0826



56.2539, 34.7404, 28.7462

Rectangle

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



29.6748, 34.7404, 5.1415



18.7881, 34.7404, 16.2593



36.6070, 34.7404, 124.0826



53.0683, 34.7404, 73.0511

Sweetspot

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



29.6756, 34.7420, 5.1422



61.3800, 68.6034, 41.1471



16.6243, 8.5650, 1.0215



13.5051, 15.1915, 8.3186



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.6756, 34.7420, 5.1422



53.8023, 62.9539, 9.3156



18.9403, 31.1030, 5.0056



8.1200, 8.7201, 8.0444



21.8400, 25.5772, 3.7858



0.5392, 0.6379, 0.0947

Inverse Universe

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



7.3319, 3.0545, 38.2332



13.2638, 5.4641, 69.3575



10.2768, 4.4599, 38.3493



7.1556, 7.3482, 9.4595



5.4034, 2.2671, 28.1283



0.1390, 0.0702, 0.6869

Previews

White Background



This preview shows how the XYZ color 29.6748, 34.7404, 5.1415 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 29.6748, 34.7404, 5.1415 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 29.6748, 34.7404, 5.1415

Background



This preview shows how black text looks on a background with the XYZ color 29.6748, 34.7404, 5.1415.

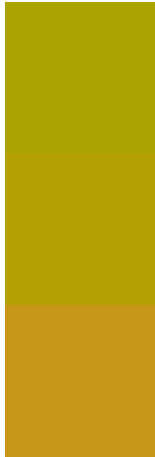


This preview shows how white text looks on a background with the XYZ color 29.6748, 34.7404,

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

29.6748, 34.7404, 5.1415

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

35.3087, 34.6126, 5.6305



Tritanopia

36.4999, 34.4809, 39.3821

Trichromacy



Original Color

29.6748, 34.7404, 5.1415

Protanomaly

30.6494, 34.7198, 5.0862

Deuteranomaly

33.0428, 34.4243, 5.3550

Tritanomaly

32.1245, 33.6723, 17.9030

Monochromacy



Original Color

29.6748, 34.7404, 5.1415

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.9292, 30.5592, 15.0689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6748, 34.7404, 5.1415 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(170, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 163, 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(170, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6748, 34.7404, 5.1415 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(170, 163, 0) }
```


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

```
.border{ border-color:rgb(170, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 163,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6748, 34.7404, 5.1415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 163, 0) }
```

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

```
.background{ background-color: rgb(170,  
163, 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](#).

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