

Converting Colors

XYZ(29.7490, 36.3126, 32.7332)

Have a look what the booklet for
XYZ(29.7490, 36.3126, 32.7332)
contains.

XYZ(29.7429, 36.3520, 32.6432)	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(29.7429, 36.3520,
32.6432)**

Conversions

Conversions Part 1

Format	Color
Hex	87AB92
RGB	135, 171, 146
RGB Percent	53%, 67%, 57%
CMY	0.4706, 0.3294, 0.4274
CMYK	0.21, 0.00, 0.15, 0.33
HSL	138°, 18%, 60%
HSV	138°, 21%, 67%
XYZ	29.7429, 36.3520, 32.6432
YIQ	157.3860, -13.4310, -15.4070

Conversions

Conversions Part 2

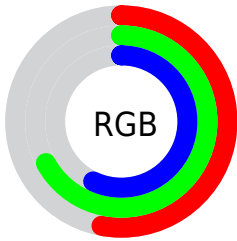
Format	Color
RYB	135, 163, 171
Decimal	8891282
CIELab	66.79, -17.39, 8.88
CIELCh	67, 19.524, 152.944
Yxy	36.3520, 0.3012, 0.3682
Android (android.graphics.Color)	4287081362 (0xFF87AB92)
YUV	157.3860, -5.6133, -19.6325
Hunter-Lab	60.2926, -17.4564, 10.1045

Details

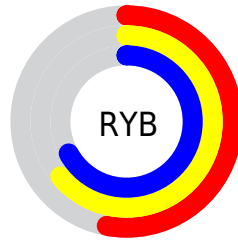
The XYZ color **29.7429, 36.3520, 32.6432** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.8050, 28.5248, 37.0888**, and the grayscale version is **32.2513, 33.9309, 36.9508**.

A 20% lighter version of the original color is **58.6079, 69.3817, 64.9466**, and **12.4545, 15.9695, 13.4923** is the 20% darker color. If you saturate the color by 10%, you get **26.3332, 34.6965, 27.9096**, and if you desaturate by 10%, it is **33.6925, 38.2768, 37.9046**.

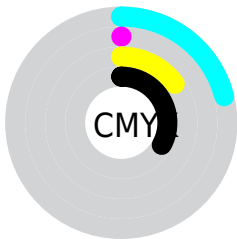
Distribution



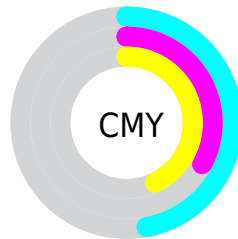
- Red (53%)
- Green (67%)
- Blue (57%)



- Red (53%)
- Yellow (64%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)





- Cyan (47%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7429, 36.3520, 32.6432 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 29.7429, 36.3520, 32.6432 by changing the saturation by 10% instead.

 29.7429, 36.3520,
32.6432


 29.7429, 36.3520,
32.6432


292.6356,
330.4965, 328.6215


 19.7906, 24.7062,
21.5844


 58.6448, 69.5750,
64.9277

 12.3503, 15.8583,
13.3564

 78.3251, 91.9210,
86.9904

 7.0566, 9.4239,
7.5408


 101.9788,
118.6025, 113.5581

 3.5442, 5.0187,
3.7190

129.9712,
150.0039, 145.0495

 1.4476, 2.2582,
1.4725

162.6678,
186.5096, 181.8829

 0.2898, 0.7515,
0.1973

200.4338,

 0.0000, 0.0000,

228.5040, 224.4770

0.0000

243.6346,
276.3715, 273.2504

■ 29.7429, 36.3520,
32.6432

■ 29.7429, 36.3520,
32.6432

■ 26.3332, 34.6965,
27.9096

■ 33.6925, 38.2768,
37.9046

■ 23.4365, 33.2937,
23.6849

■ 38.2015, 40.4775,
43.7071

■ 21.0279, 32.1321,
19.9530

■ 43.2919, 42.9662,
50.0662

■ 19.0793, 31.1977,
16.6955

■ 48.9839, 45.7531,
56.9965

■ 17.5594, 30.4746,
13.8932

■ 55.2966, 48.8475,
64.5118

■ 16.4331, 29.9452,
11.5255

■ 62.2480, 52.2587,
72.6254

■ 15.6591, 29.5887,
9.5699

■ 69.8557, 55.9954,
81.3503

■ 15.1890, 29.3773,
8.1481

■ 71.6816, 56.7383,
90.3969

■ 73.5142, 57.4714,
100.0476

Harmonies

Analogous

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



31.5582, 36.3520, 27.4553



29.7429, 36.3520, 32.6432



29.1915, 36.3520, 40.4211

Triad

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



29.7429, 36.3520, 32.6432



34.8436, 36.3520, 58.1188



39.5328, 36.3520, 31.3891

Complementary

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



29.7429, 36.3520, 32.6432



31.8050, 28.5248, 37.0888

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.



40.5305, 36.3520, 38.7529



29.7429, 36.3520, 32.6432



37.7283, 36.3520, 54.8364

Square

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



29.7429, 36.3520, 32.6432



32.0354, 36.3520, 55.8795



39.8523, 36.3520, 47.4385



37.1959, 36.3520, 26.8068

Rectangle

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



29.7429, 36.3520, 32.6432



29.5875, 36.3520, 46.2565



39.8523, 36.3520, 47.4385



40.0417, 36.3520, 33.5811

Sweetspot

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



29.7439, 36.3535, 32.6440



64.2060, 70.4352, 72.9003



33.4746, 38.3710, 28.5642



14.2059, 15.6525, 16.1124



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.



29.7439, 36.3535, 32.6440



50.4707, 63.7446, 54.6259



31.2385, 36.9514, 40.5147



8.0015, 8.9782, 9.0329



11.4708, 22.1536, 6.2530



0.3438, 0.6262, 0.3041

Inverse Universe

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



31.8050, 28.5248, 37.0888



54.7929, 47.3226, 63.9431



30.3572, 27.9457, 29.4648



8.2313, 8.1058, 9.5287



15.1839, 7.5361, 13.8796



0.4453, 0.2188, 0.5065

Previews

White Background



This preview shows how the XYZ color 29.7429, 36.3520, 32.6432 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 29.7429, 36.3520, 32.6432 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 29.7429, 36.3520, 32.6432

Background



This preview shows how black text looks on a background with the XYZ color 29.7429, 36.3520, 32.6432.



This preview shows how white text looks on a background with the XYZ color 29.7429, 36.3520,

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

29.7429, 36.3520, 32.6432

Protanopia

34.3056, 36.3098, 30.3997

Deuteranopia

36.6047, 35.8919, 33.4323



Tritanopia

32.8589, 36.2304, 48.4413

Trichromacy



Original Color

29.7429, 36.3520, 32.6432

Protanomaly

32.3177, 36.0615, 31.2438

Deuteranomaly

33.6072, 35.6272, 33.1224

Tritanomaly

31.7180, 36.3214, 42.3848

Monochromacy



Original Color

29.7429, 36.3520, 32.6432

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0645, 34.5301, 35.1647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7429, 36.3520, 32.6432 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(135, 171, 146)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 146)  
}
```

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(135, 171, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.7429, 36.3520, 32.6432 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(135, 171, 146) }
```


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

```
.border{ border-color:rgb(135, 171, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 146);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7429, 36.3520, 32.6432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 146) }
```

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

```
.background{ background-color: rgb(135,  
171, 146) }
```

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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