

Converting Colors

XYZ(28.7859, 32.2458, 49.1217)

Have a look what the booklet for
XYZ(28.7859, 32.2458, 49.1217)
contains.

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Color

**XYZ(28.7268, 32.2386,
48.9646)**

Conversions

Conversions Part 1

Format	Color
Hex	799FB6
RGB	121, 159, 182
RGB Percent	47%, 62%, 71%
CMY	0.5255, 0.3765, 0.2863
CMYK	0.34, 0.13, 0.00, 0.29
HSL	203°, 29%, 59%
HSV	203°, 34%, 71%
XYZ	28.7268, 32.2386, 48.9646
YIQ	150.2600, -30.0310, -0.9030

Conversions

Conversions Part 2

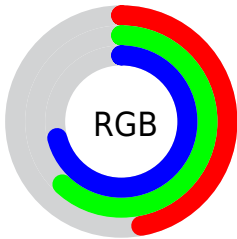
Format	Color
R_{YB}	121, 144, 182
Decimal	7970742
CIE _{Lab}	63.54, -7.30, -16.09
CIE _{LCh}	64, 17.668, 245.608
Yxy	32.2386, 0.2613, 0.2933
Android (android.graphics.Color)	4286160822 (0xFF799FB6)
YUV	150.2600, 15.6478, -25.6610
Hunter-Lab	56.7790, -9.0530, -11.3846

Details

The XYZ color **28.7268, 32.2386, 48.9646** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.7164, 31.2726, 22.4020**, and the grayscale version is **29.0454, 30.5580, 33.2776**.

A 20% lighter version of the original color is **57.1584, 63.3801, 90.1099**, and **11.8508, 13.6122, 22.7717** is the 20% darker color. If you saturate the color by 10%, you get **25.2656, 28.7516, 48.4745**, and if you desaturate by 10%, it is **32.7367, 36.1072, 49.5005**.

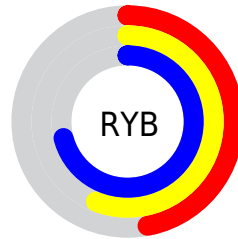
Distribution



Red (47%)

Green (62%)

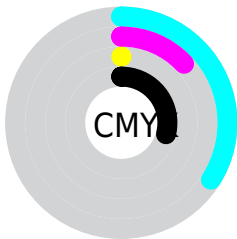
Blue (71%)



Red (47%)

Yellow (56%)

Blue (71%)

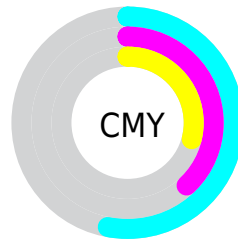


Cyan (34%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (38%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7268, 32.2386, 48.9646 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 28.7268, 32.2386, 48.9646 by changing the saturation by 10% instead.

■ 28.7268, 32.2386,
48.9646

■ 28.7268, 32.2386,
48.9646

287.9412,
312.2047, 399.2214

■ 19.0175, 21.5438,
34.2260

■ 57.0433, 63.1850,
90.0193

■ 11.7870, 13.5221,
22.7885

■ 76.3812, 84.2053,
117.1725

■ 6.6700, 7.7890,
14.2336

■ 99.6594, 109.4363,
149.3010

■ 3.3011, 3.9603,
8.1427

127.2431,
139.2623, 186.8233

■ 1.3149, 1.6514,
4.0973

159.4978,
174.0678, 230.1579

■ 0.1943, 0.3919,
1.6789

196.7889,

■ 0.0000, 0.0000,

214.2371, 279.7235

0.3462

239.4815,
260.1546, 335.9384

■ 0.0000, 0.0000,
0.0000

■ 28.7268, 32.2386,
48.9646

■ 28.7268, 32.2386,
48.9646

■ 25.2656, 28.7516,
48.4745

■ 32.7367, 36.1072,
49.5005

■ 22.3220, 25.6263,
48.0264

■ 37.3183, 40.3687,
50.0816

■ 19.8660, 22.8466,
47.6193

■ 42.4969, 45.0381,
50.7099

■ 17.8631, 20.3928,
47.2513

■ 48.2953, 50.1289,
51.3869

■ 16.2739, 18.2431,
46.9201

■ 54.7352, 55.6534,
52.1139

■ 15.0510, 16.3713,
46.6232

■ 61.8369, 61.6237,
52.8920

■ 14.3914, 15.2729,
46.4460

■ 69.6200, 68.0513,
53.7224

■ 73.7046, 72.6794,
54.4004

■ 75.4770, 76.2241,
54.9912

Harmonies

Analogous

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



26.9495, 32.2386, 43.6087



28.7268, 32.2386, 48.9646



31.1070, 32.2386, 50.4094

Triad

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



28.7268, 32.2386, 48.9646



35.6022, 32.2386, 33.7933



27.9656, 32.2386, 25.1872

Complementary

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



28.7268, 32.2386, 48.9646



32.7164, 31.2726, 22.4020

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.



30.1813, 32.2386, 23.2576



28.7268, 32.2386, 48.9646



34.6568, 32.2386, 27.7810

Square

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



28.7268, 32.2386, 48.9646



35.1618, 32.2386, 41.0086



32.6401, 32.2386, 24.1396



26.5268, 32.2386, 29.7923

Rectangle

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



28.7268, 32.2386, 48.9646



32.7352, 32.2386, 48.8129



32.6401, 32.2386, 24.1396



28.6397, 32.2386, 24.2344

Sweetspot

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



28.7278, 32.2399, 48.9653



70.6758, 75.9362, 91.1679



29.5997, 39.5159, 32.2006



15.3275, 16.5154, 20.1016



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.7278, 32.2399, 48.9653



47.4896, 53.8526, 88.1273



24.1973, 23.1790, 47.4552



8.9745, 9.6262, 11.4645



10.2284, 10.9165, 32.8211



0.4181, 0.4998, 1.1762

Inverse Universe

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



32.3876, 26.1240, 36.1376



55.2793, 41.6980, 60.6310



37.8536, 41.5469, 24.1143



9.2335, 9.1038, 10.5768



15.7765, 7.8844, 11.9759



0.5852, 0.2896, 0.5750

Previews

White Background



This preview shows how the XYZ color 28.7268, 32.2386, 48.9646 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 28.7268, 32.2386, 48.9646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

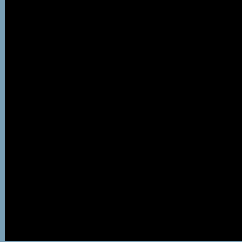
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

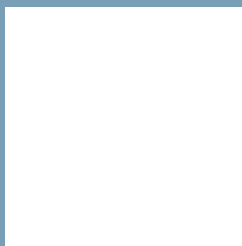
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7268, 32.2386, 48.9646

Background



This preview shows how black text looks on a background with the XYZ color 28.7268, 32.2386, 48.9646.



This preview shows how white text looks on a background with the XYZ color 28.7268, 32.2386,

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

28.7268, 32.2386, 48.9646

Protanopia

31.5585, 32.0204, 46.1122

Deuteranopia

32.6949, 32.0457, 49.8096



Tritanopia

27.7214, 32.0807, 44.2663

Trichromacy



Original Color

28.7268, 32.2386, 48.9646

Protanomaly

30.5055, 32.1863, 47.2526

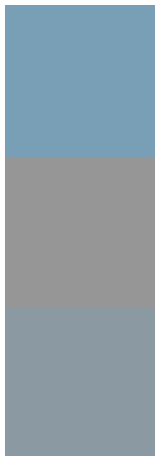
Deuteranomaly

30.9230, 31.8641, 49.3203

Tritanomaly

28.1530, 32.2693, 45.8191

Monochromacy



Original Color

28.7268, 32.2386, 48.9646

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5603, 30.8801, 38.6376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7268, 32.2386, 48.9646 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, 159, 182)` looks like.

```
.text, #text, p{  
    color:rgb(121, 159, 182)  
}
```

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, 159, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 159, 182) }
```

Border

The CSS property to change the border of an element to XYZ 28.7268, 32.2386, 48.9646 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, 159, 182) }
```


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

```
.border{ border-color:rgb(121, 159, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 159, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 159, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 159, 182); box-shadow:4px 4px 4px 4px rgb(121, 159, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7268, 32.2386, 48.9646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 159, 182) }
```

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

```
.background{ background-color: rgb(121,  
159, 182) }
```

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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