

Converting Colors

XYZ(28.3775, 32.0636, 45.7416)

Have a look what the booklet for
XYZ(28.3775, 32.0636, 45.7416)
contains.

XYZ(28.4030, 32.1418, 45.7813)	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(28.4030, 32.1418,
45.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	7B9FB0
RGB	123, 159, 176
RGB Percent	48%, 62%, 69%
CMY	0.5176, 0.3765, 0.3098
CMYK	0.30, 0.10, 0.00, 0.31
HSL	199°, 25%, 59%
HSV	199°, 30%, 69%
XYZ	28.4030, 32.1418, 45.7813
YIQ	150.1740, -26.9130, -2.3450

Conversions

Conversions Part 2

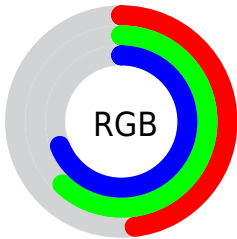
Format	Color
RYB	123, 144, 176
Decimal	8101808
CIELab	63.46, -8.22, -12.83
CIElCh	63, 15.239, 237.363
Yxy	32.1418, 0.2671, 0.3023
Android (android.graphics.Color)	4286291888 (0xFF7B9FB0)
YUV	150.1740, 12.7322, -23.8316
Hunter-Lab	56.6937, -9.7873, -8.1922

Details

The XYZ color **28.4030, 32.1418, 45.7813** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.8582, 29.4167, 22.7913**, and the grayscale version is **29.0199, 30.5312, 33.2484**.

A 20% lighter version of the original color is **56.7435, 63.2664, 85.5649**, and **11.6102, 13.5329, 20.7391** is the 20% darker color. If you saturate the color by 10%, you get **25.1596, 29.0622, 45.3584**, and if you desaturate by 10%, it is **32.1453, 35.5460, 46.2417**.

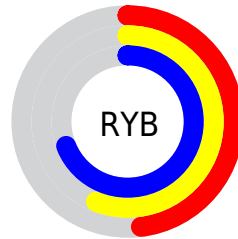
Distribution



Red (48%)

Green (62%)

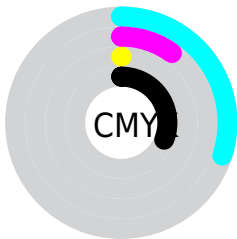
Blue (69%)



Red (48%)

Yellow (56%)

Blue (69%)

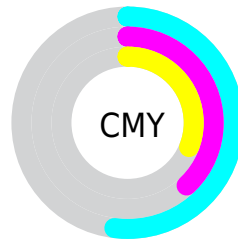


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4030, 32.1418, 45.7813 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 28.4030, 32.1418, 45.7813 by changing the saturation by 10% instead.

■ 28.4030, 32.1418,
45.7813

■ 28.4030, 32.1418,
45.7813

286.4329,
311.7647, 386.1807

■ 18.7717, 21.4698,
31.7259

■ 56.5314, 63.0333,
85.2224

■ 11.6084, 13.4679,
20.8891

■ 75.7591, 84.0217,
111.4452

■ 6.5479, 7.7515,
12.8525

■ 98.9164, 109.2176,
142.5608

■ 3.2248, 3.9364,
7.1975

126.3685,
139.0055, 178.9878

■ 1.2737, 1.6380,
3.5056

158.4809,
173.7697, 221.1448

■ 0.1634, 0.3830,
1.3583

195.6188,

■ 0.0000, 0.0000,

213.8948, 269.4502

0.1088

238.1477,
259.7650, 324.3227

■ 0.0000, 0.0000,
0.0000

■ 28.4030, 32.1418,
45.7813

■ 28.4030, 32.1418,
45.7813

■ 25.1596, 29.0622,
45.3584

■ 32.1453, 35.5460,
46.2417

■ 22.3874, 26.2897,
44.9693

■ 36.4067, 39.2836,
46.7385

■ 20.0602, 23.8106,
44.6135

■ 41.2096, 43.3680,
47.2737

■ 18.1479, 21.6087,
44.2892

■ 46.5743, 47.8102,
47.8484

■ 16.6164, 19.6652,
43.9948

■ 52.5200, 52.6211,
48.4636

■ 15.4256, 17.9587,
43.7282

■ 59.0649, 57.8108,
49.1204

■ 14.4994, 16.4602,
43.4878

■ 66.2264, 63.3891,
49.8197

■ 70.7079, 67.6573,
50.4073

■ 72.0754, 70.3924,
50.8632

Harmonies

Analogous

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



27.0696, 32.1418, 40.6438



28.4030, 32.1418, 45.7813



30.3626, 32.1418, 48.0072

Triad

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



28.4030, 32.1418, 45.7813



34.8070, 32.1418, 35.5369



28.7136, 32.1418, 25.6162

Complementary

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



28.4030, 32.1418, 45.7813



30.8582, 29.4167, 22.7913

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.



30.7378, 32.1418, 24.5792



28.4030, 32.1418, 45.7813



34.3163, 32.1418, 29.8990

Square

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



28.4030, 32.1418, 45.7813



34.1140, 32.1418, 41.6806



32.8022, 32.1418, 26.0550



27.2430, 32.1418, 29.0690

Rectangle

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



28.4030, 32.1418, 45.7813



31.7830, 32.1418, 47.3683



32.8022, 32.1418, 26.0550



29.3490, 32.1418, 24.9922

Sweetspot

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



28.4040, 32.1431, 45.7820



66.8178, 71.9266, 84.8568



28.4121, 37.1494, 30.4011



14.2260, 15.3682, 18.3609



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.4040, 32.1431, 45.7820



47.5802, 54.5896, 82.5244



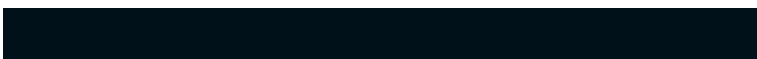
24.3544, 24.0440, 44.4322



8.5083, 9.1628, 10.8265



10.6929, 12.1862, 31.9256



0.3864, 0.4833, 1.0212

Inverse Universe

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



31.2463, 25.9001, 36.1546



53.6676, 41.8824, 61.7564



35.1681, 38.0364, 24.2279



8.7317, 8.5994, 10.0858



15.6319, 7.7703, 13.7536



0.5171, 0.2546, 0.5655

Previews

White Background



This preview shows how the XYZ color 28.4030, 32.1418, 45.7813 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 28.4030, 32.1418, 45.7813 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

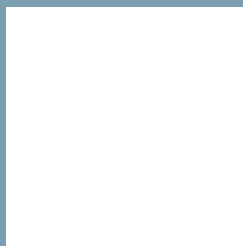
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4030, 32.1418, 45.7813

Background



This preview shows how black text looks on a background with the XYZ color 28.4030, 32.1418, 45.7813.



This preview shows how white text looks on a background with the XYZ color 28.4030, 32.1418,

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

28.4030, 32.1418, 45.7813

Protanopia

31.4371, 32.0143, 43.5522

Deuteranopia

32.4936, 31.7772, 46.5405



Tritanopia

28.0432, 32.2577, 43.7781

Trichromacy



Original Color

28.4030, 32.1418, 45.7813

Protanomaly

30.2487, 32.1225, 44.1412

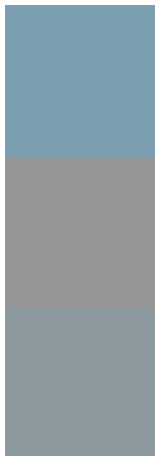
Deuteranomaly

30.8286, 31.8861, 46.1248

Tritanomaly

28.1397, 32.2963, 44.2859

Monochromacy



Original Color

28.4030, 32.1418, 45.7813

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.4645, 30.8611, 37.2574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4030, 32.1418, 45.7813 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(123, 159, 176)` looks like.

```
.text, #text, p{  
    color:rgb(123, 159, 176)  
}
```

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(123, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 159, 176) }
```

Border

The CSS property to change the border of an element to XYZ 28.4030, 32.1418, 45.7813 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(123, 159, 176) }
```


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

```
.border{ border-color:rgb(123, 159, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 159, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 159, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 159, 176);  
box-shadow:4px 4px 4px 4px rgb(123, 159,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4030, 32.1418, 45.7813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 159, 176) }
```

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

```
.background{ background-color: rgb(123,  
159, 176) }
```

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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