

Converting Colors

XYZ(29.7996, 35.8637, 43.3829)

Have a look what the booklet for
XYZ(29.7996, 35.8637, 43.3829)
contains.

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Color

**XYZ(29.7988, 35.8627,
43.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAAAA
RGB	123, 170, 170
RGB Percent	48%, 67%, 67%
CMY	0.5176, 0.3333, 0.3333
CMYK	0.28, 0.00, 0.00, 0.33
HSL	180°, 22%, 57%
HSV	180°, 28%, 67%
XYZ	29.7988, 35.8627, 43.3818
YIQ	155.9470, -28.0120, -9.9640

Conversions

Conversions Part 2

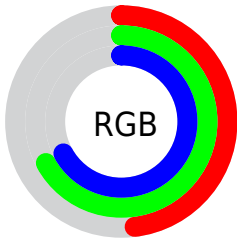
Format	Color
RYB	123, 147, 170
Decimal	8104618
CIELab	66.41, -15.57, -5.07
CIElCh	66, 16.373, 198.050
Yxy	35.8627, 0.2733, 0.3289
Android (android.graphics.Color)	4286294698 (0xFF7BAAAA)
YUV	155.9470, 6.9281, -28.8945
Hunter-Lab	59.8855, -15.9786, -1.0306

Details

The XYZ color **29.7988, 35.8627, 43.3818** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.2369, 24.1430, 21.9649**, and the grayscale version is **31.5562, 33.1995, 36.1543**.

A 20% lighter version of the original color is **58.6473, 68.6338, 81.3908**, and **12.4209, 15.6426, 19.5042** is the 20% darker color. If you saturate the color by 10%, you get **27.5752, 34.7173, 43.2781**, and if you desaturate by 10%, it is **32.4469, 37.2287, 43.5069**.

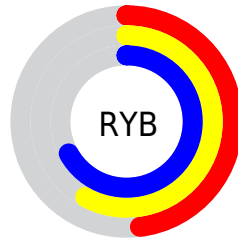
Distribution



Red (48%)

Green (67%)

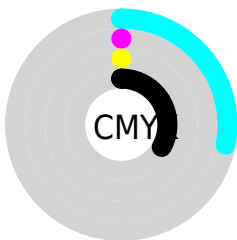
Blue (67%)



Red (48%)

Yellow (58%)

Blue (67%)

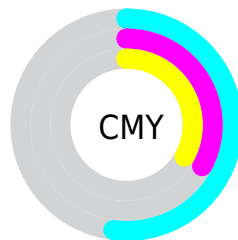


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7988, 35.8627, 43.3818 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 29.7988, 35.8627, 43.3818 by changing the saturation by 10% instead.

■ 29.7988, 35.8627,
43.3818

■ 29.7988, 35.8627,
43.3818

■ 292.8922,
328.3600, 376.1468

■ 19.8332, 24.3282,
29.8512

■ 58.7327, 68.8201,
81.5792

■ 12.3814, 15.5772,
19.4746

■ 78.4317, 91.0118,
107.0831

■ 7.0781, 9.2255,
11.8334

■ 102.1059,
117.5246, 137.4152

■ 3.5577, 4.8886,
6.5092

■ 130.1206,
148.7430, 172.9939

■ 1.4551, 2.1820,
3.0833

■ 162.8413,
185.0513, 214.2379

■ 0.2950, 0.7102,
1.1373

■ 200.6332,

■ 0.0000, 0.0000,

226.8340, 261.5657

0.0000

243.8617,
274.4755, 315.3958

■ 29.7988, 35.8627,
43.3818

■ 29.7988, 35.8627,
43.3818

■ 27.5752, 34.7173,
43.2781

■ 32.4469, 37.2287,
43.5069

■ 25.7510, 33.7769,
43.1923

■ 35.5365, 38.8215,
43.6519

■ 24.3035, 33.0307,
43.1242

■ 39.0877, 40.6522,
43.8185

■ 23.2064, 32.4652,
43.0725

■ 43.1182, 42.7300,
44.0075

■ 22.4301, 32.0650,
43.0357

■ 47.6450, 45.0636,
44.2198

■ 21.9400, 31.8123,
43.0124

■ 52.6843, 47.6614,
44.4560

■ 21.6807, 31.6786,
42.9998

■ 58.2512, 50.5313,
44.7169

■ 21.6306, 31.6528,
42.9974

■ 62.8718, 52.9133,
44.9336

■ 62.8719, 52.9133,
44.9340

Harmonies

Analogous

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



29.6803, 35.8627, 36.3197



29.7988, 35.8627, 43.3818



31.0319, 35.8627, 49.9720

Triad

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



29.7988, 35.8627, 43.3818



37.7132, 35.8627, 48.7843



35.0716, 35.8627, 27.2757

Complementary

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



29.7988, 35.8627, 43.3818



27.2369, 24.1430, 21.9649

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.



37.3351, 35.8627, 29.8453



29.7988, 35.8627, 43.3818



38.9084, 35.8627, 41.9104

Square

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



29.7988, 35.8627, 43.3818



35.5677, 35.8627, 53.3393



38.7668, 35.8627, 35.0136



32.6468, 35.8627, 27.5694

Rectangle

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



29.7988, 35.8627, 43.3818



32.3549, 35.8627, 52.9535



38.7668, 35.8627, 35.0136



35.8787, 35.8627, 27.8192

Sweetspot

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



29.7998, 35.8641, 43.3826



64.1759, 70.2805, 79.1844



26.2319, 34.4499, 24.0065



14.1166, 15.5724, 17.6493



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.



29.7998, 35.8641, 43.3826



51.5744, 63.7843, 78.5928



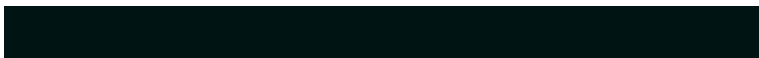
25.9030, 28.0701, 42.0847



7.7476, 8.5321, 9.6568



15.9110, 23.2832, 31.6281



0.3871, 0.5665, 0.7695

Inverse Universe

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



27.2369, 24.1430, 21.9649



46.1651, 39.0455, 33.3879



30.3893, 30.4479, 23.0149



7.5311, 7.5423, 7.8482



12.1947, 6.2866, 0.5709



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 29.7988, 35.8627, 43.3818 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 29.7988, 35.8627, 43.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

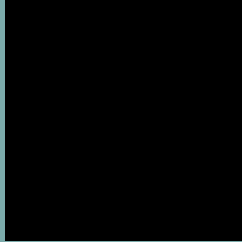
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7988, 35.8627, 43.3818

Background



This preview shows how black text looks on a background with the XYZ color 29.7988, 35.8627, 43.3818.



This preview shows how white text looks on a background with the XYZ color 29.7988, 35.8627,

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

29.7988, 35.8627, 43.3818

Protanopia

34.3759, 35.6085, 40.1833

Deuteranopia

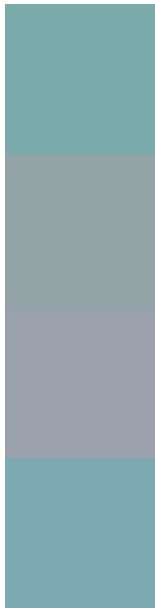
36.2259, 35.4520, 44.4688



Tritanopia

31.0503, 35.8183, 49.5331

Trichromacy



Original Color

29.7988, 35.8627, 43.3818

Protanomaly

32.3711, 35.6000, 41.2417

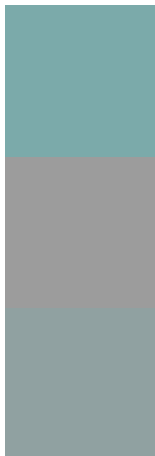
Deuteranomaly

33.5177, 35.3383, 44.0841

Tritanomaly

30.6813, 35.9503, 47.4415

Monochromacy



Original Color

29.7988, 35.8627, 43.3818

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.6795, 33.9922, 38.6624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7988, 35.8627, 43.3818 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, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(123, 170, 170)  
}
```

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, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 170, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.7988, 35.8627, 43.3818 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, 170, 170) }
```


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

```
.border{ border-color:rgb(123, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(123, 170,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7988, 35.8627, 43.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 170, 170) }
```

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

```
.background{ background-color: rgb(123,  
170, 170) }
```

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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