

Converting Colors

XYZ(28.2194, 35.3004, 42.1780)

Have a look what the booklet for
XYZ(28.2194, 35.3004, 42.1780)
contains.

XYZ(28.3129, 35.3977, 42.3860)	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(28.3129, 35.3977,
42.3860)**

Conversions

Conversions Part 1

Format	Color
Hex	70ABA8
RGB	112, 171, 168
RGB Percent	44%, 67%, 66%
CMY	0.5608, 0.3294, 0.3412
CMYK	0.35, 0.00, 0.02, 0.33
HSL	177°, 26%, 55%
HSV	177°, 35%, 67%
XYZ	28.3129, 35.3977, 42.3860
YIQ	153.0170, -34.2010, -13.4410

Conversions

Conversions Part 2

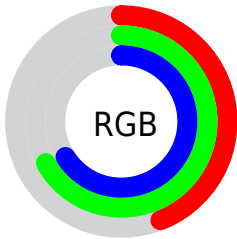
Format	Color
RYB	112, 142, 171
Decimal	7383976
CIELab	66.06, -19.77, -4.56
CIElCh	66, 20.285, 192.977
Yxy	35.3977, 0.2669, 0.3336
Android (android.graphics.Color)	4285574056 (0xFF70ABA8)
YUV	153.0170, 7.3866, -35.9719
Hunter-Lab	59.4960, -19.1735, -0.5921

Details

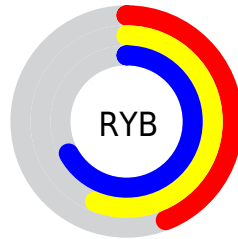
The XYZ color **28.3129, 35.3977, 42.3860** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.6845, 21.4851, 19.0144**, and the grayscale version is **30.2660, 31.8422, 34.6762**.

A 20% lighter version of the original color is **56.2415, 67.8274, 79.9398**, and **11.6127, 15.4153, 18.8864** is the 20% darker color. If you saturate the color by 10%, you get **26.2599, 34.3495, 41.8689**, and if you desaturate by 10%, it is **30.7818, 36.6619, 42.9269**.

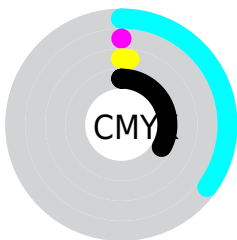
Distribution



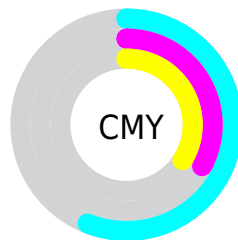
- Red (44%)
- Green (67%)
- Blue (66%)



- Red (44%)
- Yellow (56%)
- Blue (67%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (33%)



- Cyan (56%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3129, 35.3977, 42.3860 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 28.3129, 35.3977, 42.3860 by changing the saturation by 10% instead.

■ 28.3129, 35.3977,
42.3860

■ 28.3129, 35.3977,
42.3860

286.0121,
326.3203, 371.9273

■ 18.7033, 23.9694,
29.0758

■ 56.3888, 68.1014,
80.0599

■ 11.5588, 15.3109,
18.8921

■ 75.5858, 90.1456,
105.2607

■ 6.5141, 9.0379,
11.4163

■ 98.7093, 116.4972,
135.2621

■ 3.2037, 4.7659,
6.2299

■ 126.1247,
147.5406, 170.4826

■ 1.2624, 2.1106,
2.9143

158.1973,
183.6602, 211.3409

■ 0.1548, 0.6706,
1.0511

195.2925,

■ 0.0000, 0.0000,

225.2405, 258.2554

0.0000

237.7757,
272.6657, 311.6447

■ 28.3129, 35.3977,
42.3860

■ 28.3129, 35.3977,
42.3860

■ 26.2599, 34.3495,
41.8689

■ 30.7818, 36.6619,
42.9269

■ 24.5961, 33.5011,
41.3722

■ 33.6850, 38.1491,
43.4902

■ 23.2969, 32.8405,
40.8952

■ 37.0437, 39.8711,
44.0776

■ 22.3332, 32.3529,
40.4369

■ 40.8767, 41.8375,
44.6901

■ 21.6718, 32.0210,
39.9954

■ 45.2019, 44.0576,
45.3285

■ 21.2724, 31.8242,
39.5691

■ 50.0361, 46.5400,
45.9935

■ 21.1120, 31.7464,
39.3386

■ 55.3954, 49.2930,
46.6860

■ 61.2951, 52.3246,
47.4067

■ 63.6233, 53.5149,
47.9631

Harmonies

Analogous

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



28.4073, 35.3977, 33.8894



28.3129, 35.3977, 42.3860



29.5844, 35.3977, 50.9844

Triad

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



28.3129, 35.3977, 42.3860



37.7470, 35.3977, 51.9884



35.3678, 35.3977, 24.7639

Complementary

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



28.3129, 35.3977, 42.3860



25.6845, 21.4851, 19.0144

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.



38.0599, 35.3977, 28.3091



28.3129, 35.3977, 42.3860



39.4887, 35.3977, 43.6023

Square

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



28.3129, 35.3977, 42.3860



34.9612, 35.3977, 57.0596



39.6065, 35.3977, 34.9379



32.3612, 35.3977, 24.5389

Rectangle

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



28.3129, 35.3977, 42.3860



31.0822, 35.3977, 55.2773



39.6065, 35.3977, 34.9379



36.3437, 35.3977, 25.5795

Sweetspot

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



28.3139, 35.3991, 42.3868



62.8255, 69.6018, 78.3353



24.6822, 34.0055, 20.5929



13.8307, 15.4294, 17.4372



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.



28.3139, 35.3991, 42.3868



47.9780, 62.0009, 75.2359



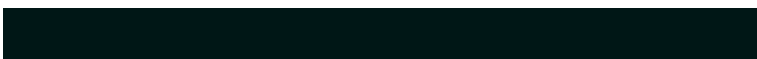
24.2256, 26.7697, 42.4199



8.2185, 9.0649, 10.1754



15.9207, 23.9336, 29.6859



0.4481, 0.6679, 0.8534

Inverse Universe

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



25.6845, 21.4851, 19.0144



42.5898, 33.4733, 27.3301



28.7469, 27.8819, 19.1966



8.0211, 8.0217, 8.4222



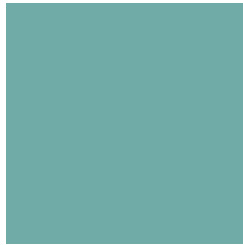
12.7026, 6.5436, 0.8133



0.3586, 0.1841, 0.0502

Previews

White Background



This preview shows how the XYZ color 28.3129, 35.3977, 42.3860 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 28.3129, 35.3977, 42.3860 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 28.3129, 35.3977, 42.3860

Background



This preview shows how black text looks on a background with the XYZ color 28.3129, 35.3977, 42.3860.



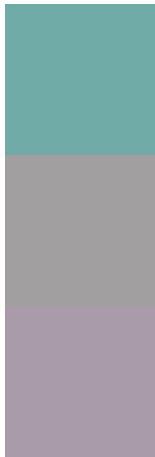
This preview shows how white text looks on a background with the XYZ color 28.3129, 35.3977,

42.3860.

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

28.3129, 35.3977, 42.3860

Protanopia

33.7315, 35.0509, 38.7059

Deuteranopia

35.6496, 34.9290, 43.3911



Tritanopia

29.8339, 35.4663, 49.5292

Trichromacy



Original Color

28.3129, 35.3977, 42.3860

Protanomaly

31.2996, 34.8040, 40.1901

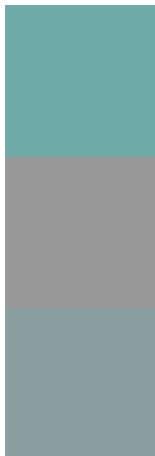
Deuteranomaly

32.3950, 34.7816, 43.0363

Tritanomaly

29.3808, 35.5686, 46.9119

Monochromacy



Original Color

28.3129, 35.3977, 42.3860

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.2236, 33.0135, 37.1797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3129, 35.3977, 42.3860 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(112, 171, 168)` looks like.

```
.text, #text, p{  
    color:rgb(112, 171, 168)  
}
```

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(112, 171, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 171, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.3129, 35.3977, 42.3860 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(112, 171, 168) }
```


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

```
.border{ border-color:rgb(112, 171, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 171, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 171, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 171, 168);  
box-shadow:4px 4px 4px 4px rgb(112, 171,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3129, 35.3977, 42.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 171, 168) }
```

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

```
.background{ background-color: rgb(112,  
171, 168) }
```

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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