

Converting Colors

XYZ(28.4228, 36.9679, 52.0918)

Have a look what the booklet for
XYZ(28.4228, 36.9679, 52.0918)
contains.

XYZ(28.4228, 36.9679, 52.0918)	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(28.4228, 36.9679,
52.0918)**

Conversions

Conversions Part 1

Format	Color
Hex	56B1BA
RGB	86, 177, 186
RGB Percent	34%, 69%, 73%
CMY	0.6627, 0.3059, 0.2706
CMYK	0.54, 0.05, 0.00, 0.27
HSL	185°, 42%, 53%
HSV	185°, 54%, 73%
XYZ	28.4228, 36.9679, 52.0918
YIQ	150.8170, -57.1250, -16.4930

Conversions

Conversions Part 2

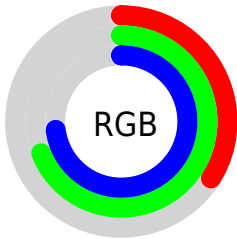
Format	Color
R _Y B	86, 134, 186
Decimal	5681594
CIE Lab	67.25, -24.49, -12.88
CIE LCh	67, 27.672, 207.747
Yxy	36.9679, 0.2419, 0.3147
Android (android.graphics.Color)	4283871674 (0xFF56B1BA)
YUV	150.8170, 17.3452, -56.8445
Hunter-Lab	60.8012, -22.9586, -8.2362

Details

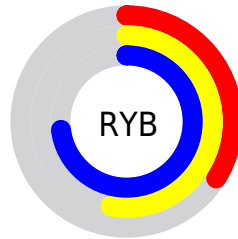
The XYZ color **28.4228, 36.9679, 52.0918** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.0223, 19.2961, 11.1580**, and the grayscale version is **29.2839, 30.8090, 33.5510**.

A 20% lighter version of the original color is **56.4936, 70.5283, 94.6402**, and **11.6224, 16.2021, 24.7051** is the 20% darker color. If you saturate the color by 10%, you get **26.5997, 35.5411, 51.9132**, and if you desaturate by 10%, it is **30.6978, 38.6353, 52.2944**.

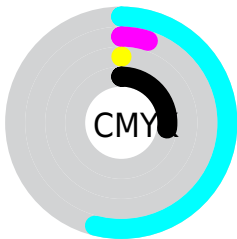
Distribution



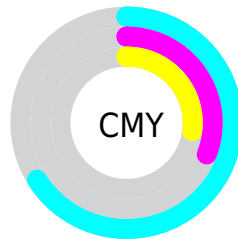
- Red (34%)
- Green (69%)
- Blue (73%)



- Red (34%)
- Yellow (53%)
- Blue (73%)



- Cyan (54%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)



- Cyan (66%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4228, 36.9679, 52.0918 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 28.4228, 36.9679, 52.0918 by changing the saturation by 10% instead.

■ 28.4228, 36.9679,
52.0918

■ 28.4228, 36.9679,
52.0918

286.5253,
333.1715, 411.7579

■ 18.7867, 25.1826,
36.6955

■ 56.5627, 70.5234,
94.6946

■ 11.6193, 16.2132,
24.6779

■ 75.7972, 93.0625,
122.7381

■ 6.5554, 9.6751,
15.6204

■ 98.9619, 119.9549,
155.8345

■ 3.2295, 5.1841,
9.1045

■ 126.4221,
151.5851, 194.4023

■ 1.2762, 2.3557,
4.7117

158.5432,
188.3374, 238.8600

■ 0.1653, 0.8029,
2.0233

195.6905,

■ 0.0000, 0.0000,

230.5964, 289.6261

0.5696

238.2294,
278.7463, 347.1193

■ 0.0000, 0.0000,
0.0000

■ 28.4228, 36.9679,
52.0918

■ 28.4228, 36.9679,
52.0918

■ 26.5997, 35.5411,
51.9132

■ 30.6978, 38.6353,
52.2944

■ 25.1898, 34.3325,
51.7542

■ 33.4528, 40.5555,
52.5198

■ 24.1535, 33.3224,
51.6138

■ 36.7178, 42.7445,
52.7703

■ 23.4417, 32.4856,
51.4898

■ 40.5191, 45.2162,
53.0470

■ 23.1002, 32.0194,
51.4178

■ 44.8814, 47.9831,
53.3511

■ 49.8277, 51.0573,
53.6838

■ 55.3798, 54.4498,
54.0460

■ 61.5584, 58.1715,
54.4387

■ 68.3831, 62.2325,
54.8629

Harmonies

Analogous

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



27.6244, 36.9679, 39.3435



28.4228, 36.9679, 52.0918



30.9751, 36.9679, 63.3234

Triad

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



28.4228, 36.9679, 52.0918



42.4692, 36.9679, 53.9971



35.4574, 36.9679, 21.1834

Complementary

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



28.4228, 36.9679, 52.0918



26.0223, 19.2961, 11.1580

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.



39.6557, 36.9679, 23.5996



28.4228, 36.9679, 52.0918



43.9011, 36.9679, 41.1739

Square

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



28.4228, 36.9679, 52.0918



39.0587, 36.9679, 64.5695



42.8329, 36.9679, 30.3572



31.4867, 36.9679, 22.9643

Rectangle

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



28.4228, 36.9679, 52.0918



33.4398, 36.9679, 67.5559



42.8329, 36.9679, 30.3572



36.8904, 36.9679, 21.5192

Sweetspot

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



28.4239, 36.9693, 52.0927



71.6238, 80.7851, 96.0195



23.4329, 37.9111, 16.7518



15.4525, 17.5828, 21.1220



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.4239, 36.9693, 52.0927



47.5573, 63.8785, 94.0246



20.3774, 20.8762, 49.4105



9.1957, 10.0687, 11.5382



15.5693, 21.5983, 34.6014



0.5692, 0.8020, 1.2266

Inverse Universe

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



31.5142, 20.2700, 43.8480



53.9504, 30.9910, 76.5960



31.9541, 31.1596, 13.1353



9.3451, 9.1484, 11.1649



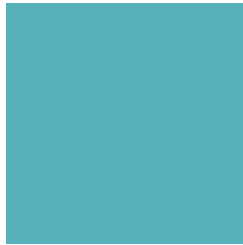
18.4723, 8.9627, 26.1719



0.6615, 0.3201, 0.9766

Previews

White Background



This preview shows how the XYZ color 28.4228, 36.9679, 52.0918 looks on a white background.

Color Contrast Check

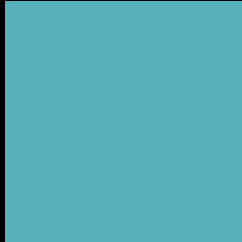
Large Text (above 18pt) WCAG AA × Fail

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 28.4228, 36.9679, 52.0918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

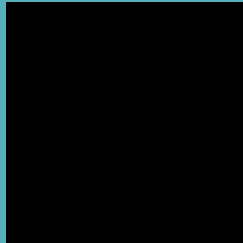
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4228, 36.9679, 52.0918

Background



This preview shows how black text looks on a background with the XYZ color 28.4228, 36.9679, 52.0918.



This preview shows how white text looks on a background with the XYZ color 28.4228, 36.9679,

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

28.4228, 36.9679, 52.0918

Protanopia

35.6571, 36.6566, 46.2704

Deuteranopia

37.2095, 36.5133, 53.8018



Tritanopia

28.9538, 36.8870, 54.8841

Trichromacy



Original Color

28.4228, 36.9679, 52.0918

Protanomaly

31.8885, 36.0011, 48.4482

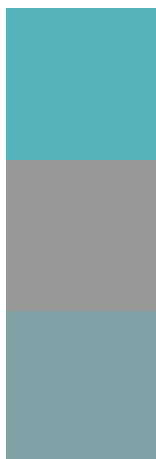
Deuteranomaly

32.9749, 36.1808, 53.3897

Tritanomaly

28.6411, 36.7510, 53.7282

Monochromacy



Original Color

28.4228, 36.9679, 52.0918

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.0240, 32.3340, 39.8860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4228, 36.9679, 52.0918 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(86, 177, 186)` looks like.

```
.text, #text, p{  
    color:rgb(86, 177, 186)  
}
```

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(86, 177, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 177, 186) }
```

Border

The CSS property to change the border of an element to XYZ 28.4228, 36.9679, 52.0918 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(86, 177, 186) }
```


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

```
.border{ border-color:rgb(86, 177, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 177, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 177, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 177, 186);  
box-shadow:4px 4px 4px 4px rgb(86, 177,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4228, 36.9679, 52.0918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 177, 186) }
```

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

```
.background{ background-color: rgb(86, 177,  
186) }
```

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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