

Converting Colors

XYZ(27.9465, 36.1812, 53.2392)

Have a look what the booklet for
XYZ(27.9465, 36.1812, 53.2392)
contains.

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Color

**XYZ(27.8867, 36.0846,
53.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	52AFBC
RGB	82, 175, 188
RGB Percent	32%, 69%, 74%
CMY	0.6784, 0.3137, 0.2627
CMYK	0.56, 0.07, 0.00, 0.26
HSL	187°, 44%, 53%
HSV	187°, 56%, 74%
XYZ	27.8867, 36.0846, 53.0722
YIQ	148.6750, -59.6010, -15.6730

Conversions

Conversions Part 2

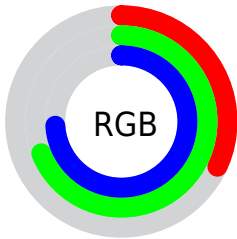
Format	Color
R _Y B	82, 132, 188
Decimal	5418940
CIE Lab	66.58, -23.72, -15.01
CIE LCh	67, 28.074, 212.322
Yxy	36.0846, 0.2383, 0.3083
Android (android.graphics.Color)	4283609020 (0xFF52AFBC)
YUV	148.6750, 19.3872, -58.4740
Hunter-Lab	60.0705, -22.2577, -10.3333

Details

The XYZ color **27.8867, 36.0846, 53.0722** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **26.3550, 19.4857, 10.3556**, and the grayscale version is **28.3708, 29.8482, 32.5047**.

A 20% lighter version of the original color is **55.7203, 69.2589, 96.0195**, and **11.3327, 15.6683, 25.3487** is the 20% darker color. If you saturate the color by 10%, you get **26.0258, 34.4656, 52.8584**, and if you desaturate by 10%, it is **30.2053, 37.9525, 53.3112**.

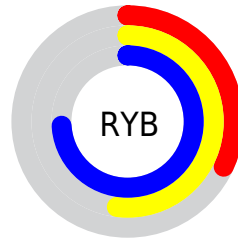
Distribution



Red (32%)

Green (69%)

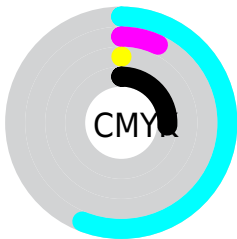
Blue (74%)



Red (32%)

Yellow (52%)

Blue (74%)

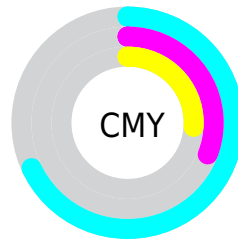


Cyan (56%)

Magenta (7%)

Yellow (0%)

Black (26%)



Cyan (68%)

Magenta (31%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8867, 36.0846, 53.0722 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 27.8867, 36.0846, 53.0722 by changing the saturation by 10% instead.

■ 27.8867, 36.0846,
53.0722

■ 27.8867, 36.0846,
53.0722

284.0150,
329.3302, 415.6362

■ 18.3803, 24.4995,
37.4723

■ 55.7134, 69.1626,
96.1532

■ 11.3247, 15.7046,
25.2747

■ 74.7644, 91.4244,
124.4714

■ 6.3546, 9.3154,
16.0610

■ 97.7277, 118.0138,
157.8661

■ 3.1046, 4.9474,
9.4125

■ 124.9685,
149.3153, 196.7559

■ 1.2093, 2.2165,
4.9107

156.8523,
185.7133, 241.5592

■ 0.1137, 0.7289,
2.1372

193.7445,

■ 0.0000, 0.0000,

227.5922, 292.6947

0.6378

236.0102,
275.3364, 350.5809

■ 0.0000, 0.0000,
0.0000

■ 27.8867, 36.0846,
53.0722

■ 27.8867, 36.0846,
53.0722

■ 26.0258, 34.4656,
52.8584

■ 30.2053, 37.9525,
53.3112

■ 24.5817, 33.0720,
52.6656

■ 33.0116, 40.0825,
53.5744

■ 23.5118, 31.8825,
52.4924

■ 36.3370, 42.4916,
53.8641

■ 22.7588, 30.8677,
52.3362

■ 40.2091, 45.1940,
54.1817

■ 22.5227, 30.5219,
52.2819

■ 44.6537, 48.2032,
54.5283

■ 49.6949, 51.5316,
54.9050

■ 55.3553, 55.1909,
55.3130

■ 61.6566, 59.1923,
55.7532

■ 68.6190, 63.5464,
56.2267

Harmonies

Analogous

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



26.8113, 36.0846, 40.2392



27.8867, 36.0846, 53.0722



30.6644, 36.0846, 63.6739

Triad

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



27.8867, 36.0846, 53.0722



41.9973, 36.0846, 51.1040



33.9696, 36.0846, 20.3430

Complementary

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



27.8867, 36.0846, 53.0722



26.3550, 19.4857, 10.3556

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.



38.2065, 36.0846, 22.0934



27.8867, 36.0846, 53.0722



43.0613, 36.0846, 38.3558

Square

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



27.8867, 36.0846, 53.0722



38.8217, 36.0846, 62.3834



41.6220, 36.0846, 28.1278



30.1389, 36.0846, 22.7411

Rectangle

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



27.8867, 36.0846, 53.0722



33.2245, 36.0846, 67.1157



41.6220, 36.0846, 28.1278



35.3930, 36.0846, 20.4653

Sweetspot

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



27.8878, 36.0860, 53.0731



72.2005, 81.4444, 98.1412



23.5006, 38.5758, 16.8844



15.2104, 17.2959, 21.0793



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.



27.8878, 36.0860, 53.0731



46.3800, 61.7336, 95.6975



19.5953, 19.5009, 50.3089



9.7060, 10.6044, 12.2075



15.3712, 20.8541, 35.6080



0.6305, 0.8737, 1.4043

Inverse Universe

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



31.4951, 19.8221, 42.7249



53.8418, 30.2760, 73.8022



32.7537, 32.2832, 12.4885



9.8782, 9.6756, 11.7477



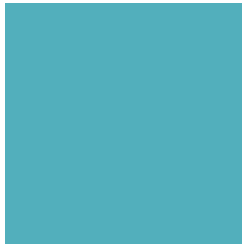
18.7594, 9.1349, 25.0905



0.7492, 0.3636, 1.0584

Previews

White Background



This preview shows how the XYZ color 27.8867, 36.0846, 53.0722 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 27.8867, 36.0846, 53.0722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

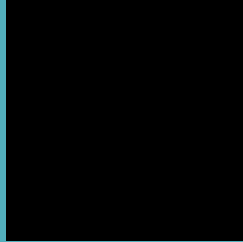
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8867, 36.0846, 53.0722

Background



This preview shows how black text looks on a background with the XYZ color 27.8867, 36.0846, 53.0722.



This preview shows how white text looks on a background with the XYZ color 27.8867, 36.0846,

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

27.8867, 36.0846, 53.0722

Protanopia

34.9048, 35.7269, 47.1758

Deuteranopia

36.2693, 35.4968, 54.8091



Tritanopia

27.9950, 36.1279, 53.6420

Trichromacy



Original Color

27.8867, 36.0846, 53.0722

Protanomaly

31.2587, 35.1130, 49.3859

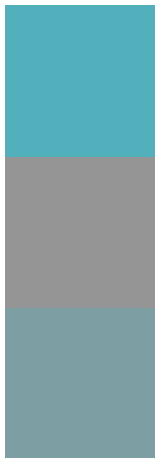
Deuteranomaly

32.1951, 35.2180, 54.3911

Tritanomaly

27.9950, 36.1279, 53.6420

Monochromacy



Original Color

27.8867, 36.0846, 53.0722

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.2952, 31.4580, 39.2837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8867, 36.0846, 53.0722 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(82, 175, 188)` looks like.

```
.text, #text, p{  
    color:rgb(82, 175, 188)  
}
```

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(82, 175, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 175, 188) }
```

Border

The CSS property to change the border of an element to XYZ 27.8867, 36.0846, 53.0722 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(82, 175, 188) }
```


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

```
.border{ border-color:rgb(82, 175, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 175, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 175, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 175, 188);  
box-shadow:4px 4px 4px 4px rgb(82, 175,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8867, 36.0846, 53.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 175, 188) }
```

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

```
.background{ background-color: rgb(82, 175,  
188) }
```

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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