

Converting Colors

XYZ(27.6251, 39.3403, 52.8764)

Have a look what the booklet for
XYZ(27.6251, 39.3403, 52.8764)
contains.

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Color

**XYZ(27.6553, 39.2865,
53.1392)**

Conversions

Conversions Part 1

Format	Color
Hex	2EBABB
RGB	46, 186, 187
RGB Percent	18%, 73%, 73%
CMY	0.8196, 0.2706, 0.2667
CMYK	0.75, 0.01, 0.00, 0.27
HSL	180°, 61%, 46%
HSV	180°, 75%, 73%
XYZ	27.6553, 39.2865, 53.1392
YIQ	144.2540, -83.7610, -29.3690

Conversions

Conversions Part 2

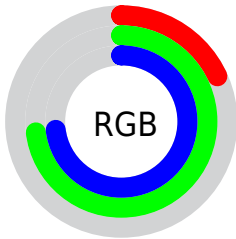
Format	Color
RYB	46, 116, 187
Decimal	3062459
CIELab	68.96, -34.88, -10.98
CIELCh	69, 36.567, 197.481
Yxy	39.2865, 0.2303, 0.3272
Android (android.graphics.Color)	4281252539 (0xFF2EBABB)
YUV	144.2540, 21.0738, -86.1688
Hunter-Lab	62.6789, -30.9301, -6.3908

Details

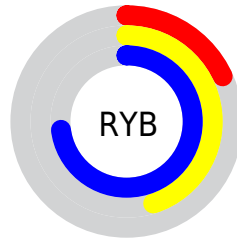
The XYZ color **27.6553, 39.2865, 53.1392** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **22.0041, 12.7962, 3.8961**, and the grayscale version is **26.5553, 27.9382, 30.4248**.

A 20% lighter version of the original color is **55.4307, 74.2853, 96.2110**, and **12.5543, 18.2238, 25.4101** is the 20% darker color. If you saturate the color by 10%, you get **26.9616, 38.8884, 53.0996**, and if you desaturate by 10%, it is **28.7181, 39.8767, 53.1978**.

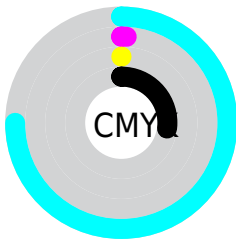
Distribution



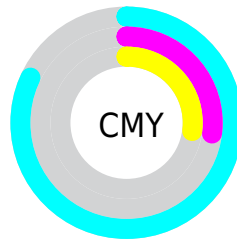
- Red (18%)
- Green (73%)
- Blue (73%)



- Red (18%)
- Yellow (45%)
- Blue (73%)



- Cyan (75%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)



- Cyan (82%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6553, 39.2865, 53.1392 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 27.6553, 39.2865, 53.1392 by changing the saturation by 10% instead.

■ 27.6553, 39.2865,
53.1392

■ 27.6553, 39.2865,
53.1392

282.9262,
343.1070, 415.9004

■ 18.2051, 26.9827,
37.5254

■ 55.3461, 74.0758,
96.2528

■ 11.1979, 17.5602,
25.3156

■ 74.3175, 97.3300,
124.5897

■ 6.2684, 10.6347,
16.0912

■ 97.1933, 125.0032,
158.0047

■ 3.0512, 5.8218,
9.4336

■ 124.3389,
157.4798, 196.9163

■ 1.1809, 2.7370,
4.9244

■ 156.1196,
195.1440, 241.7432

■ 0.0912, 0.9960,
2.1450

192.9008,

■ 0.0000, 0.0000,

238.3804, 292.9038

0.6424

235.0479,
287.5732, 350.8167

■ 0.0000, 0.0000,
0.0000

■ 27.6553, 39.2865,
53.1392

■ 27.6553, 39.2865,
53.1392

■ 26.9616, 38.8884,
53.0996

■ 28.7181, 39.8767,
53.1978

■ 26.5813, 38.6509,
53.0738

■ 30.1888, 40.6764,
53.2747

■ 26.4607, 38.5697,
53.0645

■ 32.1053, 41.7059,
53.3724

■ 34.4999, 42.9819,
53.4925

■ 37.4023, 44.5197,
53.6363

■ 40.8395, 46.3333,
53.8052

■ 44.8368, 48.4356,
54.0003

■ 49.4176, 50.8389,
54.2228

■ 54.6044, 53.5545,
54.4735

Harmonies

Analogous

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



27.4506, 39.2865, 36.2013



27.6553, 39.2865, 53.1392



30.2796, 39.2865, 70.9992

Triad

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



27.6553, 39.2865, 53.1392



46.2069, 39.2865, 68.2850



39.8181, 39.2865, 18.5048

Complementary

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



27.6553, 39.2865, 53.1392



22.0041, 12.7962, 3.8961

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.



45.4220, 39.2865, 23.2424



27.6553, 39.2865, 53.1392



49.3596, 39.2865, 50.1029

Square

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



27.6553, 39.2865, 53.1392



40.8026, 39.2865, 81.1852



49.0583, 39.2865, 33.8567



34.0803, 39.2865, 18.9185

Rectangle

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



27.6553, 39.2865, 53.1392



33.2183, 39.2865, 79.7179



49.0583, 39.2865, 33.8567



41.7906, 39.2865, 19.4831

Sweetspot

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



27.6565, 39.2880, 53.1401



68.1530, 80.3500, 96.1184



19.3912, 36.3197, 8.5743



14.5532, 17.4538, 21.1444



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.



27.6565, 39.2880, 53.1401



47.8149, 69.3593, 95.0690



16.4009, 16.7769, 49.3883



9.8027, 10.7976, 12.2397



18.2338, 26.5793, 36.5622



0.7161, 1.0449, 1.4328

Inverse Universe

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



30.3345, 16.0651, 47.9580



52.8684, 25.9174, 85.2049



27.2911, 23.3702, 5.6585



9.9270, 9.6951, 12.0046



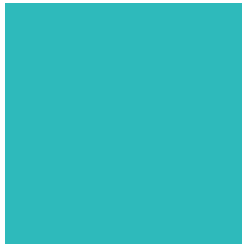
20.2043, 9.7129, 32.6993



0.7924, 0.3808, 1.2859

Previews

White Background



This preview shows how the XYZ color 27.6553, 39.2865, 53.1392 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 27.6553, 39.2865, 53.1392 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

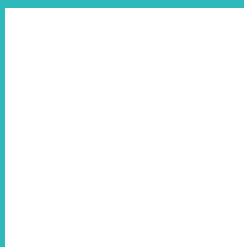
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6553, 39.2865, 53.1392

Background



This preview shows how black text looks on a background with the XYZ color 27.6553, 39.2865, 53.1392.

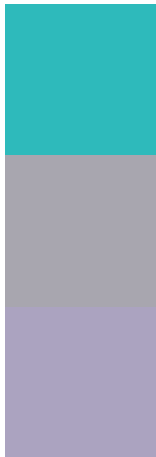


This preview shows how white text looks on a background with the XYZ color 27.6553, 39.2865,

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

27.6553, 39.2865, 53.1392

Protanopia

37.5225, 38.6924, 46.0482

Deuteranopia

39.4062, 38.6581, 55.2540



Tritanopia

29.0248, 39.2167, 60.0726

Trichromacy



Original Color

27.6553, 39.2865, 53.1392



Protanomaly

31.3924, 37.4269, 48.2174



Deuteranomaly

32.4614, 37.2791, 54.1999



Tritanomaly

28.6155, 39.3681, 57.7204

Monochromacy



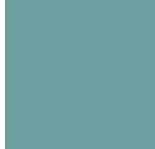
Original Color

27.6553, 39.2865, 53.1392



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.9276, 30.5225, 37.8353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6553, 39.2865, 53.1392 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(46, 186, 187)` looks like.

```
.text, #text, p{  
    color:rgb(46, 186, 187)  
}
```

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(46, 186, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 186, 187) }
```

Border

The CSS property to change the border of an element to XYZ 27.6553, 39.2865, 53.1392 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(46, 186, 187) }
```


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

```
.border{ border-color:rgb(46, 186, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 186, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 186, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 186, 187);  
box-shadow:4px 4px 4px 4px rgb(46, 186,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6553, 39.2865, 53.1392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 186, 187) }
```

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

```
.background{ background-color: rgb(46, 186,  
187) }
```

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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