

Converting Colors

XYZ(27.2015, 37.7183, 43.7963)

Have a look what the booklet for
XYZ(27.2015, 37.7183, 43.7963)
contains.

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Color

**XYZ(27.1729, 37.6994,
43.8748)**

Conversions

Conversions Part 1

Format	Color
Hex	51B5AA
RGB	81, 181, 170
RGB Percent	32%, 71%, 67%
CMY	0.6823, 0.2902, 0.3333
CMYK	0.55, 0.00, 0.06, 0.29
HSL	173°, 40%, 51%
HSV	173°, 55%, 71%
XYZ	27.1729, 37.6994, 43.8748
YIQ	149.8460, -56.0690, -24.6210

Conversions

Conversions Part 2

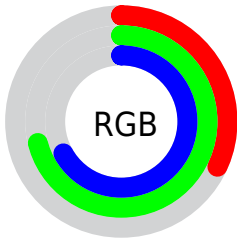
Format	Color
RYB	81, 134, 181
Decimal	5354922
CIELab	67.80, -31.82, -3.24
CIELCh	68, 31.981, 185.820
Yxy	37.6994, 0.2499, 0.3467
Android (android.graphics.Color)	4283545002 (0xFF51B5AA)
YUV	149.8460, 9.9359, -60.3779
Hunter-Lab	61.3998, -28.4534, 0.6127

Details

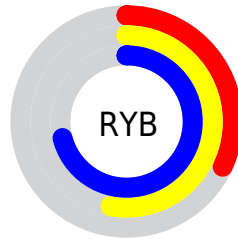
The XYZ color **27.1729, 37.6994, 43.8748** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.9315, 16.4823, 12.0465**, and the grayscale version is **28.9014, 30.4065, 33.1127**.

A 20% lighter version of the original color is **54.5223, 71.4936, 82.1602**, and **10.9892, 16.7463, 19.7927** is the 20% darker color. If you saturate the color by 10%, you get **25.6371, 36.9302, 42.8277**, and if you desaturate by 10%, it is **29.1272, 38.6858, 44.9580**.

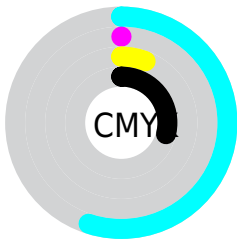
Distribution



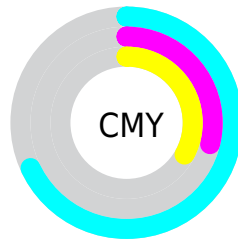
- Red (32%)
- Green (71%)
- Blue (67%)



- Red (32%)
- Yellow (53%)
- Blue (71%)



- Cyan (55%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)



- Cyan (68%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1729, 37.6994, 43.8748 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 27.1729, 37.6994, 43.8748 by changing the saturation by 10% instead.

■ 27.1729, 37.6994,
43.8748

■ 27.1729, 37.6994,
43.8748

280.6456,
336.3287, 378.2235

■ 17.8404, 25.7495,
30.2356

■ 54.5791, 71.6472,
82.3298

■ 10.9344, 16.6363,
19.7639

■ 73.3835, 94.4138,
107.9827

■ 6.0897, 9.9755,
12.0412

■ 96.0760, 121.5548,
138.4772

■ 2.9409, 5.3827,
6.6489

■ 123.0217,
153.4545, 174.2319

■ 1.1226, 2.4735,
3.1684

154.5862,
190.4973, 215.6654

■ 0.0439, 0.8633,
1.1812

191.1348,

■ 0.0000, 0.0000,

233.0677, 263.1961

0.0000

233.0328,
281.5501, 317.2426

■ 27.1729, 37.6994,
43.8748

■ 27.1729, 37.6994,
43.8748

■ 25.6371, 36.9302,
42.8277

■ 29.1272, 38.6858,
44.9580

■ 24.4827, 36.3563,
41.8125

■ 31.5265, 39.9005,
46.0762

■ 23.6720, 35.9593,
40.8281

■ 34.3993, 41.3589,
47.2316

■ 23.1570, 35.7145,
39.8723

■ 37.7705, 43.0738,
48.4254

■ 22.9654, 35.6254,
39.4256

■ 41.6633, 45.0574,
49.6588

■ 46.0996, 47.3208,
50.9328

■ 51.0998, 49.8745,
52.2485

■ 56.6835, 52.7288,
53.6068

■ 62.8692, 55.8930,
55.0087

Harmonies

Analogous

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



27.8318, 37.6994, 30.8647



27.1729, 37.6994, 43.8748



28.6553, 37.6994, 59.1568

Triad

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



27.1729, 37.6994, 43.8748



41.6960, 37.6994, 67.3556



39.8738, 37.6994, 20.8648

Complementary

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



27.1729, 37.6994, 43.8748



23.9315, 16.4823, 12.0465

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.



44.1172, 37.6994, 27.0729



27.1729, 37.6994, 43.8748



45.2352, 37.6994, 53.2564

Square

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



27.1729, 37.6994, 43.8748



36.8060, 37.6994, 74.5763



46.1595, 37.6994, 38.3458



34.8757, 37.6994, 19.4636

Rectangle

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



27.1729, 37.6994, 43.8748



30.7466, 37.6994, 67.9800



46.1595, 37.6994, 38.3458



41.4496, 37.6994, 22.3753

Sweetspot

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



27.1740, 37.7009, 43.8757



66.3396, 76.4775, 86.2845



22.4907, 35.9532, 13.5395



14.0744, 16.3952, 18.5578



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.1740, 37.7009, 43.8757



45.4804, 65.9223, 76.3590



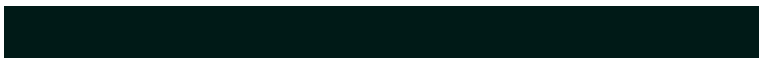
21.5075, 24.6318, 47.3386



8.7016, 9.6151, 10.6881



15.8471, 24.5648, 27.2612



0.5100, 0.7775, 0.9178

Inverse Universe

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



23.9315, 16.4823, 12.0465



39.1287, 24.1563, 13.8605



27.1791, 23.6922, 10.9258



8.5331, 8.5200, 9.0398



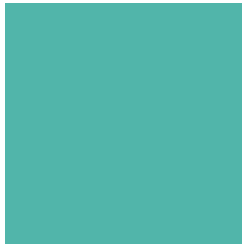
13.2367, 6.8123, 1.1407



0.4287, 0.2192, 0.1003

Previews

White Background



This preview shows how the XYZ color 27.1729, 37.6994, 43.8748 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 27.1729, 37.6994, 43.8748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

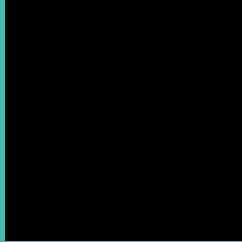
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1729, 37.6994, 43.8748

Background



This preview shows how black text looks on a background with the XYZ color 27.1729, 37.6994, 43.8748.

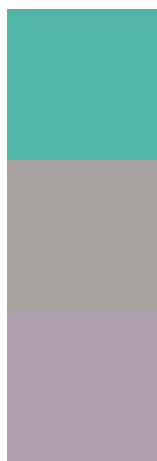


This preview shows how white text looks on a background with the XYZ color 27.1729, 37.6994,

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

27.1729, 37.6994, 43.8748

Protanopia

35.5908, 37.0573, 38.5346

Deuteranopia

37.8152, 37.0054, 45.7071



Tritanopia

29.5546, 37.7704, 55.6019

Trichromacy



Original Color

27.1729, 37.6994, 43.8748



Protanomaly

31.2289, 36.6640, 40.5529



Deuteranomaly

32.3460, 36.3173, 44.8403



Tritanomaly

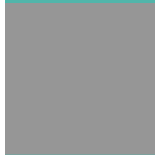
28.6096, 37.6793, 51.1124

Monochromacy



Original Color

27.1729, 37.6994, 43.8748



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.2881, 32.2840, 36.6915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1729, 37.6994, 43.8748 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(81, 181, 170)` looks like.

```
.text, #text, p{  
    color:rgb(81, 181, 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(81, 181, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 181, 170) }
```

Border

The CSS property to change the border of an element to XYZ 27.1729, 37.6994, 43.8748 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(81, 181, 170) }
```


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

```
.border{ border-color:rgb(81, 181, 170) }
```

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

Here you see how a box with a 4 pixel rgb(81, 181, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 181, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 181, 170);  
box-shadow:4px 4px 4px 4px rgb(81, 181,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1729, 37.6994, 43.8748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 181, 170) }
```

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

```
.background{ background-color: rgb(81, 181,  
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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