

Converting Colors

XYZ(27.7237, 37.1670, 53.2919)

Have a look what the booklet for
XYZ(27.7237, 37.1670, 53.2919)
contains.

XYZ(27.7230, 37.1731, 53.2909)	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(27.7230, 37.1731,
53.2909)**

Conversions

Conversions Part 1

Format	Color
Hex	46B3BC
RGB	70, 179, 188
RGB Percent	27%, 70%, 74%
CMY	0.7255, 0.2980, 0.2627
CMYK	0.63, 0.05, 0.00, 0.26
HSL	185°, 47%, 51%
HSV	185°, 63%, 74%
XYZ	27.7230, 37.1731, 53.2909
YIQ	147.4350, -67.8530, -20.3090

Conversions

Conversions Part 2

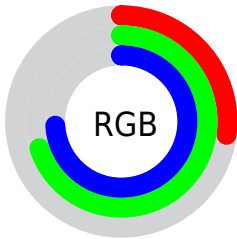
Format	Color
RYB	70, 127, 188
Decimal	4633532
CIELab	67.41, -27.92, -13.81
CIELCh	67, 31.148, 206.317
Yxy	37.1731, 0.2346, 0.3145
Android (android.graphics.Color)	4282823612 (0xFF46B3BC)
YUV	147.4350, 19.9985, -67.9105
Hunter-Lab	60.9697, -25.5329, -9.1439

Details

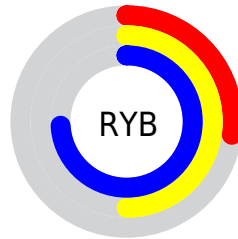
The XYZ color **27.7230, 37.1731, 53.2909** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.6414, 16.7266, 7.7253**, and the grayscale version is **27.8544, 29.3050, 31.9131**.

A 20% lighter version of the original color is **55.3975, 70.7736, 96.3289**, and **11.8340, 16.6710, 25.5158** is the 20% darker color. If you saturate the color by 10%, you get **26.2877, 36.0096, 53.1426**, and if you desaturate by 10%, it is **29.5881, 38.5642, 53.4618**.

Distribution



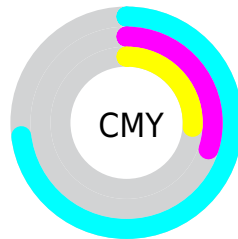
- Red (27%)
- Green (70%)
- Blue (74%)



- Red (27%)
- Yellow (50%)
- Blue (74%)



- Cyan (63%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (73%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7230, 37.1731, 53.2909 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 27.7230, 37.1731, 53.2909 by changing the saturation by 10% instead.

■ 27.7230, 37.1731,
53.2909

■ 27.7230, 37.1731,
53.2909

■ 283.2451,
334.0593, 416.4981

■ 18.2563, 25.3415,
37.6457

■ 55.4536, 70.8389,
96.4782

■ 11.2350, 16.3317,
25.4082

■ 74.4483, 93.4420,
124.8573

■ 6.2936, 9.7592,
16.1596

■ 97.3497, 120.4044,
158.3183

■ 3.0668, 5.2396,
9.4816

■ 124.5232,
152.1104, 197.2795

■ 1.1892, 2.3885,
4.9555

■ 156.3341,
188.9445, 242.1595

■ 0.0978, 0.8200,
2.1629

193.1479,

■ 0.0000, 0.0000,

231.2911, 293.3770

0.6528

235.3297,
279.5346, 351.3503

■ 0.0000, 0.0000,
0.0000

■ 27.7230, 37.1731,
53.2909

■ 27.7230, 37.1731,
53.2909

■ 26.2877, 36.0096,
53.1426

■ 29.5881, 38.5642,
53.4618

■ 25.2375, 35.0482,
53.0124

■ 31.9153, 40.1972,
53.6543

■ 24.5242, 34.2650,
52.8989

■ 34.7378, 42.0900,
53.8709

■ 24.1484, 33.7732,
52.8237

■ 38.0850, 44.2577,
54.1129

■ 41.9837, 46.7143,
54.3816

■ 46.4589, 49.4725,
54.6781

■ 51.5343, 52.5447,
55.0036

■ 57.2320, 55.9422,
55.3591

■ 63.5732, 59.6760,
55.7456

Harmonies

Analogous

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



26.9369, 37.1731, 38.8092



27.7230, 37.1731, 53.2909



30.4796, 37.1731, 66.5421

Triad

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



27.7230, 37.1731, 53.2909



43.5378, 37.1731, 56.8838



35.9251, 37.1731, 19.4932

Complementary

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



27.7230, 37.1731, 53.2909



24.6414, 16.7266, 7.7253

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.



40.6737, 37.1731, 22.2974



27.7230, 37.1731, 53.2909



45.3116, 37.1731, 42.1882

Square

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



27.7230, 37.1731, 53.2909



39.5617, 37.1731, 68.9232



44.2194, 37.1731, 29.8989



31.4149, 37.1731, 21.1812

Rectangle

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



27.7230, 37.1731, 53.2909



33.2038, 37.1731, 71.7848



44.2194, 37.1731, 29.8989



37.5491, 37.1731, 19.9215

Sweetspot

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



27.7241, 37.1745, 53.2918



71.3458, 81.6857, 98.2328



21.8804, 37.8175, 13.3302



14.9262, 17.3018, 21.0955



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.



27.7241, 37.1745, 53.2918



46.9072, 64.6178, 96.2264



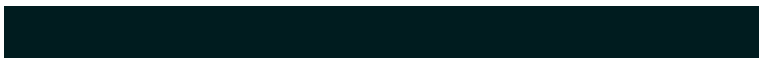
18.4576, 18.6415, 50.2030



9.7446, 10.6816, 12.2204



16.4657, 23.0431, 35.9728



0.6637, 0.9400, 1.4153

Inverse Universe

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



31.0669, 18.3275, 44.5494



53.6612, 28.4935, 78.1235



30.7723, 28.9883, 9.7689



9.8977, 9.6834, 11.8504



19.3119, 9.3559, 27.9997



0.7659, 0.3703, 1.1465

Previews

White Background



This preview shows how the XYZ color 27.7230, 37.1731, 53.2909 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 27.7230, 37.1731, 53.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

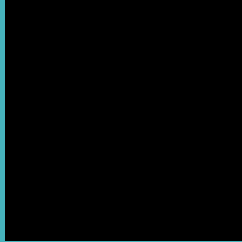
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7230, 37.1731, 53.2909

Background



This preview shows how black text looks on a background with the XYZ color 27.7230, 37.1731, 53.2909.

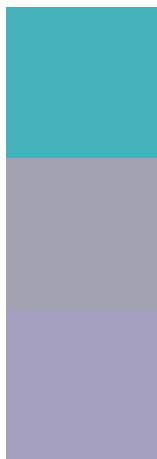


This preview shows how white text looks on a background with the XYZ color 27.7230, 37.1731,

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

27.7230, 37.1731, 53.2909

Protanopia

35.7564, 36.6964, 46.7935

Deuteranopia

37.4296, 36.6014, 54.9612



Tritanopia

28.2185, 37.0688, 56.1198

Trichromacy



Original Color

27.7230, 37.1731, 53.2909

Protanomaly

31.3964, 36.0086, 49.0116

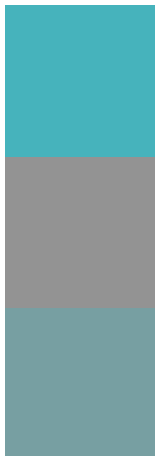
Deuteranomaly

32.2461, 35.7799, 54.4969

Tritanomaly

27.9229, 36.9420, 54.9490

Monochromacy



Original Color

27.7230, 37.1731, 53.2909

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.5275, 31.3268, 38.8310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7230, 37.1731, 53.2909 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(70, 179, 188)` looks like.

```
.text, #text, p{  
    color:rgb(70, 179, 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(70, 179, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 179, 188) }
```

Border

The CSS property to change the border of an element to XYZ 27.7230, 37.1731, 53.2909 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(70, 179, 188) }
```


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

```
.border{ border-color:rgb(70, 179, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 179, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 179, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 179, 188);  
box-shadow:4px 4px 4px 4px rgb(70, 179,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7230, 37.1731, 53.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 179, 188) }
```

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

```
.background{ background-color: rgb(70, 179,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor