

Converting Colors

XYZ(27.5559, 37.5826, 52.6399)

Have a look what the booklet for
XYZ(27.5559, 37.5826, 52.6399)
contains.

XYZ(27.6735, 37.7594, 52.8435)	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(27.6735, 37.7594,
52.8435)**

Conversions

Conversions Part 1

Format	Color
Hex	41B5BB
RGB	65, 181, 187
RGB Percent	25%, 71%, 73%
CMY	0.7451, 0.2902, 0.2667
CMYK	0.65, 0.03, 0.00, 0.27
HSL	183°, 48%, 49%
HSV	183°, 65%, 73%
XYZ	27.6735, 37.7594, 52.8435
YIQ	147.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

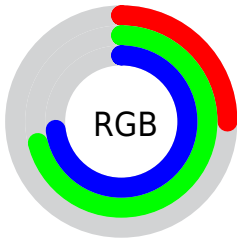
Format	Color
RYB	65, 124, 187
Decimal	4306363
CIELab	67.84, -30.00, -12.61
CIELCh	68, 32.542, 202.808
Yxy	37.7594, 0.2340, 0.3192
Android (android.graphics.Color)	4282496443 (0xFF41B5BB)
YUV	147.0000, 19.7200, -71.9140
Hunter-Lab	61.4487, -27.1475, -7.9730

Details

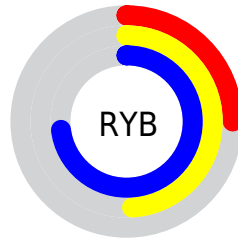
The XYZ color **27.6735, 37.7594, 52.8435** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7018, 15.4539, 6.7358**, and the grayscale version is **27.6766, 29.1179, 31.7094**.

A 20% lighter version of the original color is **55.2142, 71.5515, 95.6947**, and **12.0222, 17.1596, 25.2327** is the 20% darker color. If you saturate the color by 10%, you get **26.4484, 36.8520, 52.7336**, and if you desaturate by 10%, it is **29.3118, 38.8833, 52.9748**.

Distribution



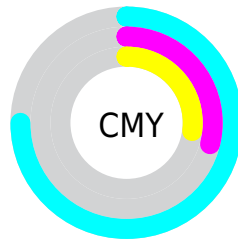
- Red (25%)
- Green (71%)
- Blue (73%)



- Red (25%)
- Yellow (49%)
- Blue (73%)



- Cyan (65%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (75%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6735, 37.7594, 52.8435 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 27.6735, 37.7594, 52.8435 by changing the saturation by 10% instead.

■ 27.6735, 37.7594,
52.8435

■ 27.6735, 37.7594,
52.8435

283.0119,
336.5867, 414.7337

■ 18.2189, 25.7960,
37.2910

■ 55.3750, 71.7392,
95.8133

■ 11.2079, 16.6711,
25.1353

■ 74.3527, 94.5244,
124.0676

■ 6.2752, 10.0003,
15.9580

■ 97.2354, 121.6857,
157.3929

■ 3.0554, 5.3991,
9.3404

■ 124.3884,
153.6074, 196.2078

■ 1.1831, 2.4833,
4.8640

■ 156.1773,
190.6740, 240.9308

■ 0.0930, 0.8683,
2.1104

192.9672,

■ 0.0000, 0.0000,

233.2698, 291.9804

0.6219

235.1237,
281.7792, 349.7752

■ 0.0000, 0.0000,
0.0000

■ 27.6735, 37.7594,
52.8435

■ 27.6735, 37.7594,
52.8435

■ 26.4484, 36.8520,
52.7336

■ 29.3118, 38.8833,
52.9748

■ 25.5909, 36.1351,
52.6404

■ 31.3964, 40.2383,
53.1264

■ 25.0503, 35.5834,
52.5624

■ 33.9610, 41.8425,
53.3009

■ 24.8516, 35.3516,
52.5282

■ 37.0349, 43.7112,
53.4996

■ 40.6453, 45.8582,
53.7237

■ 44.8173, 48.2967,
53.9745

■ 49.5745, 51.0387,
54.2530

■ 54.9392, 54.0957,
54.5603

■ 60.9324, 57.4785,
54.8974

Harmonies

Analogous

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



27.1041, 37.7594, 37.7345



27.6735, 37.7594, 52.8435



30.3419, 37.7594, 67.4360

Triad

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



27.6735, 37.7594, 52.8435



44.1797, 37.7594, 60.2852



37.1167, 37.7594, 19.2607

Complementary

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



27.6735, 37.7594, 52.8435



23.7018, 15.4539, 6.7358

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.



42.0745, 37.7594, 22.7243



27.6735, 37.7594, 52.8435



46.3928, 37.7594, 44.6885

Square

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



27.6735, 37.7594, 52.8435



39.7801, 37.7594, 72.3870



45.5885, 37.7594, 31.2622



32.2606, 37.7594, 20.4626

Rectangle

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



27.6735, 37.7594, 52.8435



33.0992, 37.7594, 73.7523



45.5885, 37.7594, 31.2622



38.8317, 37.7594, 19.8838

Sweetspot

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



27.6747, 37.7608, 52.8444



69.3826, 80.1110, 96.0075



21.0275, 37.0959, 11.6942



14.8863, 17.4074, 21.1179



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.



27.6747, 37.7608, 52.8444



46.6756, 65.4453, 94.3735



18.1021, 18.6158, 49.6536



9.7673, 10.7269, 12.2279



17.1386, 24.3890, 36.1971



0.6838, 0.9802, 1.4220

Inverse Universe

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



30.7253, 17.6827, 45.5112



52.6925, 27.3755, 79.5668



29.4402, 26.9308, 8.6486



9.9092, 9.6880, 11.9106



19.6515, 9.4918, 29.7883



0.7761, 0.3743, 1.1999

Previews

White Background



This preview shows how the XYZ color 27.6735, 37.7594, 52.8435 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 27.6735, 37.7594, 52.8435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

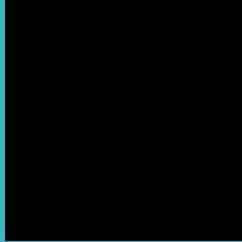
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6735, 37.7594, 52.8435

Background



This preview shows how black text looks on a background with the XYZ color 27.6735, 37.7594, 52.8435.



This preview shows how white text looks on a background with the XYZ color 27.6735, 37.7594,

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

27.6735, 37.7594, 52.8435

Protanopia

36.2435, 37.2215, 46.3485

Deuteranopia

38.0216, 37.1629, 55.0384



Tritanopia

28.5131, 37.8028, 56.8328

Trichromacy



Original Color

27.6735, 37.7594, 52.8435



Protanomaly

31.5150, 36.6339, 48.5901



Deuteranomaly

32.5028, 36.4688, 54.0413



Tritanomaly

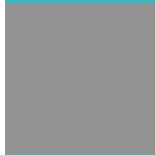
28.1091, 37.6330, 55.0726

Monochromacy



Original Color

27.6735, 37.7594, 52.8435



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.2558, 31.1868, 38.8182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6735, 37.7594, 52.8435 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(65, 181, 187)` looks like.

```
.text, #text, p{  
    color:rgb(65, 181, 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(65, 181, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 181, 187) }
```

Border

The CSS property to change the border of an element to XYZ 27.6735, 37.7594, 52.8435 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(65, 181, 187) }
```


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

```
.border{ border-color:rgb(65, 181, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 181, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 181, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 181, 187);  
box-shadow:4px 4px 4px 4px rgb(65, 181,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6735, 37.7594, 52.8435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 181, 187) }
```

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

```
.background{ background-color: rgb(65, 181,  
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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