

Converting Colors

XYZ(37.7189, 53.4750, 72.2717)

Have a look what the booklet for
XYZ(37.7189, 53.4750, 72.2717)
contains.

XYZ(37.5627, 53.2843, 71.9235)	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(37.5627, 53.2843,
71.9235)**

Conversions

Conversions Part 1

Format	Color
Hex	38D5D6
RGB	56, 213, 214
RGB Percent	22%, 84%, 84%
CMY	0.7804, 0.1647, 0.1608
CMYK	0.74, 0.00, 0.00, 0.16
HSL	180°, 66%, 53%
HSV	180°, 74%, 84%
XYZ	37.5627, 53.2843, 71.9235
YIQ	166.1710, -93.8930, -32.9730

Conversions

Conversions Part 2

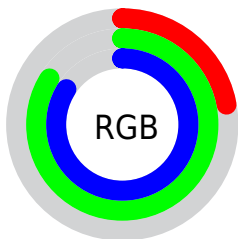
Format	Color
R _{YB}	56, 135, 214
Decimal	3724758
CIE Lab	78.04, -38.43, -12.04
CIE LCh	78, 40.273, 197.393
Yxy	53.2843, 0.2308, 0.3274
Android (android.graphics.Color)	4281914838 (0xFF38D5D6)
YUV	166.1710, 23.5797, -96.6200
Hunter-Lab	72.9961, -35.8897, -7.3215

Details

The XYZ color **37.5627, 53.2843, 71.9235** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.9096, 17.5091, 5.5459**, and the grayscale version is **36.2524, 38.1403, 41.5348**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **18.4849, 26.9569, 37.0298** is the 20% darker color. If you saturate the color by 10%, you get **36.5788, 52.7278, 71.8689**, and if you desaturate by 10%, it is **39.0607, 54.1082, 72.0046**.

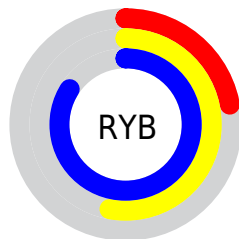
Distribution



Red (22%)

Green (84%)

Blue (84%)



Red (22%)

Yellow (53%)

Blue (84%)

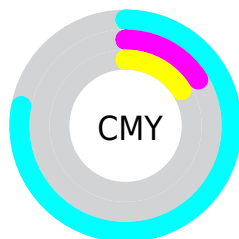


Cyan (74%)

Magenta (0%)

Yellow (0%)

Black (16%)



Cyan (78%)


Magenta (16%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5627, 53.2843, 71.9235 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 37.5627, 53.2843, 71.9235 by changing the saturation by 10% instead.


 37.5627, 53.2843,
71.9235


 37.5627, 53.2843,
71.9235

327.0537,
399.3749, 486.2457


 25.8191, 38.0298,
52.6097


 70.7456, 95.0226,
123.6545


 16.8204, 26.0058,
37.1057


 92.9157, 122.2751,
156.9088

 10.2010, 16.8280,
24.9929

 119.2919,
154.2958, 195.6470

 5.5957, 10.1119,
15.8528

 150.2397,
191.4690, 240.2876

 2.6392, 5.4732,
9.2668

186.1245,
234.1791, 291.2493

 0.9659, 2.5275,
4.8165

227.3115,

 0.0000, 0.8904,

282.8105, 348.9505

2.0831

274.1661,
337.7477, 413.8098

■ 0.0000, 0.0000,
0.6057

■ 0.0000, 0.0000,
0.0000

■ 37.5627, 53.2843,
71.9235

■ 37.5627, 53.2843,
71.9235

■ 36.5788, 52.7278,
71.8689

■ 39.0607, 54.1082,
72.0046

■ 36.0340, 52.3965,
71.8337

■ 41.1258, 55.2234,
72.1110

■ 35.8439, 52.2674,
71.8188

■ 43.8100, 56.6577,
72.2463

■ 47.1578, 58.4342,
72.4128

■ 51.2098, 60.5738,
72.6122

■ 56.0032, 63.0956,
72.8463

■ 61.5729, 66.0176,
73.1168

■ 67.9511, 69.3566,
73.4251

■ 75.1687, 73.1282,
73.7727

Harmonies

Analogous

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



37.2960, 53.2843, 49.0839



37.5627, 53.2843, 71.9235



41.0981, 53.2843, 96.0077

Triad

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



37.5627, 53.2843, 71.9235



62.5876, 53.2843, 92.4808



54.0119, 53.2843, 25.2285

Complementary

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



37.5627, 53.2843, 71.9235



29.9096, 17.5091, 5.5459

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.



61.5668, 53.2843, 31.6611



37.5627, 53.2843, 71.9235



66.8508, 53.2843, 67.9744

Square

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



37.5627, 53.2843, 71.9235



55.2927, 53.2843, 109.8234



66.4590, 53.2843, 46.0305



46.2656, 53.2843, 25.7685

Rectangle

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



37.5627, 53.2843, 71.9235



45.0612, 53.2843, 107.7778



66.4590, 53.2843, 46.0305



56.6723, 53.2843, 26.5596

Sweetspot

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



37.5643, 53.2863, 71.9248



77.2237, 90.6425, 108.0334



26.3925, 49.2206, 11.8522



16.1425, 19.1975, 23.1046



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.5643, 53.2863, 71.9248



53.8345, 78.0761, 106.8406



22.4340, 23.0257, 66.8814



12.7852, 14.0938, 15.9840



21.6681, 31.5980, 43.4102



1.3091, 1.9103, 2.6190

Inverse Universe

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



41.1573, 21.9300, 65.0166



59.4764, 29.2209, 95.9074



37.1108, 31.9116, 7.9463



12.9495, 12.6313, 15.6744



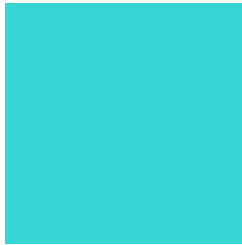
23.9959, 11.5347, 38.8782



1.4484, 0.6962, 2.3509

Previews

White Background



This preview shows how the XYZ color 37.5627, 53.2843, 71.9235 looks on a white background.

Color Contrast Check

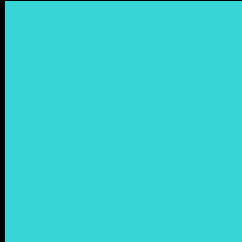
Large Text (above 18pt) WCAG AA × Fail

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 37.5627, 53.2843, 71.9235 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

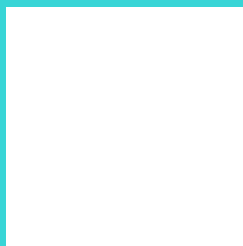
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5627, 53.2843, 71.9235

Background



This preview shows how black text looks on a background with the XYZ color 37.5627, 53.2843, 71.9235.

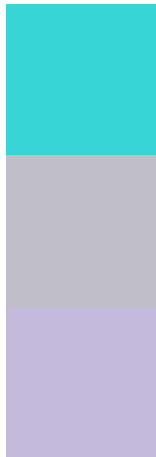


This preview shows how white text looks on a background with the XYZ color 37.5627, 53.2843,

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

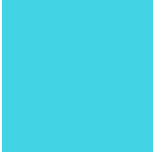
37.5627, 53.2843, 71.9235

Protanopia

50.5770, 52.2035, 62.0542

Deuteranopia

53.4535, 52.4437, 75.0155



Tritanopia

39.5446, 53.3482, 81.6118

Trichromacy



Original Color

37.5627, 53.2843, 71.9235



Protanomaly

42.5412, 50.6356, 65.2891



Deuteranomaly

44.0719, 50.5616, 73.7662



Tritanomaly

38.8494, 53.4388, 78.0792

Monochromacy



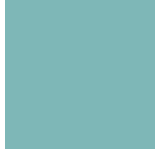
Original Color

37.5627, 53.2843, 71.9235



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.0849, 41.7215, 51.0563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5627, 53.2843, 71.9235 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(56, 213, 214)` looks like.

```
.text, #text, p{  
    color:rgb(56, 213, 214)  
}
```

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(56, 213, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 213, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.5627, 53.2843, 71.9235 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(56, 213, 214) }
```


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

```
.border{ border-color:rgb(56, 213, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 213, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 213, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 213, 214);  
box-shadow:4px 4px 4px 4px rgb(56, 213,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5627, 53.2843, 71.9235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 213, 214) }
```

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

```
.background{ background-color: rgb(56, 213,  
214) }
```

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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