

Converting Colors

XYZ(27.4053, 37.3204, 52.7729)

Have a look what the booklet for
XYZ(27.4053, 37.3204, 52.7729)
contains.

XYZ(27.4053, 37.3204, 52.7729)	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(27.4053, 37.3204,
52.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	40B4BB
RGB	64, 180, 187
RGB Percent	25%, 71%, 73%
CMY	0.7490, 0.2941, 0.2667
CMYK	0.66, 0.04, 0.00, 0.27
HSL	183°, 49%, 49%
HSV	183°, 66%, 73%
XYZ	27.4053, 37.3204, 52.7729
YIQ	146.1140, -71.3830, -22.4150

Conversions

Conversions Part 2

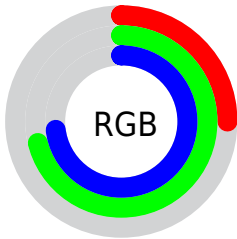
Format	Color
RYB	64, 124, 187
Decimal	4240571
CIELab	67.52, -29.67, -13.11
CIELCh	68, 32.432, 203.837
Yxy	37.3204, 0.2332, 0.3176
Android (android.graphics.Color)	4282430651 (0xFF40B4BB)
YUV	146.1140, 20.1568, -72.0140
Hunter-Lab	61.0904, -26.8327, -8.4543




Details

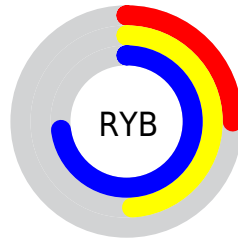
The XYZ color **27.4053, 37.3204, 52.7729** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.6731, 15.4424, 6.5846**, and the grayscale version is **27.3106, 28.7329, 31.2901**.




A 20% lighter version of the original color is **54.9255, 70.9740, 95.5985**, and **11.8924, 16.9000, 25.1895** is the 20% darker color. If you saturate the color by 10%, you get **26.1734, 36.3684, 52.6548**, and if you desaturate by 10%, it is **29.0488, 38.4886, 52.9124**.

Distribution







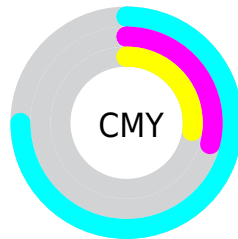
-  Red (25%)
-  Green (71%)
-  Blue (73%)






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



-  Cyan (66%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4053, 37.3204, 52.7729 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 27.4053, 37.3204, 52.7729 by changing the saturation by 10% instead.

■ 27.4053, 37.3204,
52.7729

■ 27.4053, 37.3204,
52.7729

281.7461,
334.6956, 414.4548

■ 18.0160, 25.4557,
37.2350

■ 54.9489, 71.0653,
95.7083

■ 11.0612, 16.4169,
25.0923

■ 73.8339, 93.7142,
123.9428

■ 6.1756, 9.8196,
15.9262

■ 96.6148, 120.7267,
157.2467

■ 2.9938, 5.2795,
9.3181

■ 123.6570,
152.4871, 196.0385

■ 1.1505, 2.4122,
4.8496

■ 155.3259,
189.3797, 240.7366

■ 0.0667, 0.8321,
2.1021

191.9868,

■ 0.0000, 0.0000,

231.7891, 291.7597

0.6170

234.0051,
280.0996, 349.5262

■ 0.0000, 0.0000,
0.0000

■ 27.4053, 37.3204,
52.7729

■ 27.4053, 37.3204,
52.7729

■ 26.1734, 36.3684,
52.6548

■ 29.0488, 38.4886,
52.9124

■ 25.3069, 35.6065,
52.5534

■ 31.1372, 39.8878,
53.0724

■ 24.7535, 35.0085,
52.4671

■ 33.7042, 41.5362,
53.2553

■ 24.5659, 34.7802,
52.4329

■ 36.7796, 43.4491,
53.4625

■ 40.3904, 45.6405,
53.6951

■ 44.5620, 48.1235,
53.9545

■ 49.3180, 50.9102,
54.2418

■ 54.6807, 54.0122,
54.5579

■ 60.6713, 57.4404,
54.9038

Harmonies

Analogous

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



26.7684, 37.3204, 37.7587



27.4053, 37.3204, 52.7729



30.1101, 37.3204, 67.0783

Triad

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



27.4053, 37.3204, 52.7729



43.7888, 37.3204, 59.0862



36.5111, 37.3204, 18.9937

Complementary

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



27.4053, 37.3204, 52.7729



23.6731, 15.4424, 6.5846

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.



41.4352, 37.3204, 22.2547



27.4053, 37.3204, 52.7729



45.8831, 37.3204, 43.6550

Square

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



27.4053, 37.3204, 52.7729



39.4893, 37.3204, 71.2800



44.9839, 37.3204, 30.5184



31.7367, 37.3204, 20.3394

Rectangle

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



27.4053, 37.3204, 52.7729



32.8695, 37.3204, 73.1240



44.9839, 37.3204, 30.5184



38.2082, 37.3204, 19.5572

Sweetspot

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



27.4064, 37.3218, 52.7738



69.2725, 79.8909, 95.9708



20.9959, 37.0756, 11.8701



14.8587, 17.3523, 21.1088



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.



27.4064, 37.3218, 52.7738



46.1003, 64.4801, 94.2176



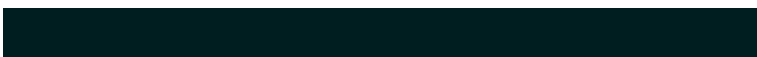
17.7237, 17.9564, 49.5462



9.7608, 10.7140, 12.2258



16.9441, 23.9999, 36.1323



0.6780, 0.9687, 1.4201

Inverse Universe

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



30.5662, 17.5280, 44.9537



52.3569, 27.0680, 78.3336



29.6239, 27.3441, 8.5682



9.9059, 9.6867, 11.8934



19.5534, 9.4525, 29.2712



0.7731, 0.3731, 1.1845

Previews

White Background



This preview shows how the XYZ color 27.4053, 37.3204, 52.7729 looks on a white background.

Color Contrast Check

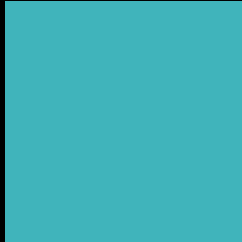
Large Text (above 18pt) WCAG AA × Fail

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 27.4053, 37.3204, 52.7729 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

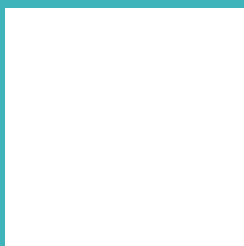
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4053, 37.3204, 52.7729

Background



This preview shows how black text looks on a background with the XYZ color 27.4053, 37.3204, 52.7729.

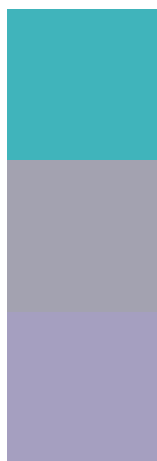


This preview shows how white text looks on a background with the XYZ color 27.4053, 37.3204,

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

27.4053, 37.3204, 52.7729

Protanopia

35.8611, 36.7618, 46.2799

Deuteranopia

37.4296, 36.6014, 54.9612



Tritanopia

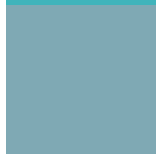
28.0605, 37.2837, 56.1696

Trichromacy



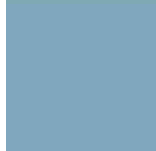
Original Color

27.4053, 37.3204, 52.7729



Protanomaly

31.1786, 36.1832, 48.5208



Deuteranomaly

32.0151, 35.9443, 53.9658



Tritanomaly

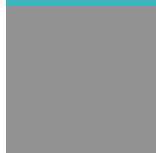
27.7708, 37.1600, 54.9991

Monochromacy



Original Color

27.4053, 37.3204, 52.7729



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.8623, 30.7399, 38.2885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4053, 37.3204, 52.7729 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(64, 180, 187)` looks like.

```
.text, #text, p{  
    color:rgb(64, 180, 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(64, 180, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 180, 187) }
```

Border

The CSS property to change the border of an element to XYZ 27.4053, 37.3204, 52.7729 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(64, 180, 187) }
```


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

```
.border{ border-color:rgb(64, 180, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 180, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 180, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 180, 187);  
box-shadow:4px 4px 4px 4px rgb(64, 180,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4053, 37.3204, 52.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 180, 187) }
```

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

```
.background{ background-color: rgb(64, 180,  
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](#).

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