

Converting Colors

XYZ(36.9229, 46.4365, 55.6785)

Have a look what the booklet for
XYZ(36.9229, 46.4365, 55.6785)
contains.

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Color

**XYZ(37.0435, 46.6613,
55.7693)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC2BE
RGB	125, 194, 190
RGB Percent	49%, 76%, 75%
CMY	0.5098, 0.2392, 0.2549
CMYK	0.36, 0.00, 0.02, 0.24
HSL	177°, 36%, 63%
HSV	177°, 36%, 76%
XYZ	37.0435, 46.6613, 55.7693
YIQ	172.9130, -39.8400, -15.8720

Conversions

Conversions Part 2

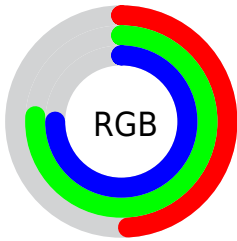
Format	Color
R_{YB}	125, 161, 194
Decimal	8241854
CIE _{Lab}	73.97, -22.59, -4.90
CIE _{LCh}	74, 23.112, 192.228
Yxy	46.6613, 0.2656, 0.3346
Android (android.graphics.Color)	4286431934 (0xFF7DC2BE)
YUV	172.9130, 8.4239, -42.0197
Hunter-Lab	68.3091, -22.7417, -0.5895

Details

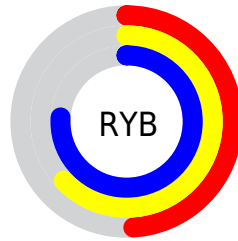
The XYZ color **37.0435, 46.6613, 55.7693** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5458, 27.7229, 24.3536**, and the grayscale version is **39.6503, 41.7152, 45.4278**.

A 20% lighter version of the original color is **69.9541, 85.3515, 99.9763**, and **16.4920, 21.9019, 27.0252** is the 20% darker color. If you saturate the color by 10%, you get **34.3612, 45.2938, 55.0051**, and if you desaturate by 10%, it is **40.2827, 48.3180, 56.5665**.

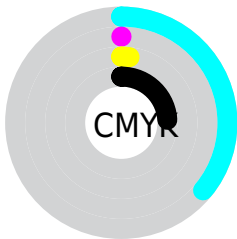
Distribution



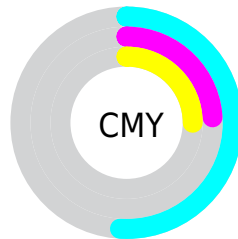
- Red (49%)
- Green (76%)
- Blue (75%)



- Red (49%)
- Yellow (63%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)



- Cyan (51%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0435, 46.6613, 55.7693 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 37.0435, 46.6613, 55.7693 by changing the saturation by 10% instead.

■ 37.0435, 46.6613,
55.7693

■ 37.0435, 46.6613,
55.7693

324.8511,
373.4610, 426.1854

■ 25.4150, 32.7680,
39.6152

■ 69.9531, 85.2078,
100.1496

■ 16.5169, 21.9488,
26.9272

■ 91.9649, 110.6298,
129.2129

■ 9.9838, 13.8193,
17.2866

■ 118.1685,
140.6635, 163.4164

■ 5.4504, 7.9951,
10.2749

148.9292,
175.6933, 203.1786

■ 2.5513, 4.0918,
5.4736

184.6125,
216.1035, 248.9181

■ 0.9212, 1.7250,
2.4642

225.5837,

■ 0.0000, 0.4398,

262.2786, 301.0533

0.8211

272.2081,
314.6029, 360.0029

■ 0.0000, 0.0000,
0.0000

■ 37.0435, 46.6613,
55.7693

■ 37.0435, 46.6613,
55.7693

■ 34.3612, 45.2938,
55.0051

■ 40.2827, 48.3180,
56.5665

■ 32.1992, 44.1933,
54.2693

■ 44.1043, 50.2738,
57.3949

■ 30.5233, 43.3433,
53.5611

■ 48.5374, 52.5446,
58.2569

■ 29.2933, 42.7231,
52.8787

■ 53.6077, 55.1439,
59.1538

■ 28.4626, 42.3085,
52.2199

■ 59.3397, 58.0841,
60.0866

■ 27.9735, 42.0700,
51.5820

■ 65.7564, 61.3772,
61.0564

■ 27.8139, 41.9937,
51.3034

■ 70.7116, 63.9168,
61.9629

■ 70.8419, 63.9689,
62.6486

■ 70.9730, 64.0214,
63.3394

Harmonies

Analogous

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



37.2198, 46.6613, 44.1854



37.0435, 46.6613, 55.7693



38.7341, 46.6613, 67.6474

Triad

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



37.0435, 46.6613, 55.7693



49.8955, 46.6613, 69.5446



46.8147, 46.6613, 32.1044

Complementary

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



37.0435, 46.6613, 55.7693



33.5458, 27.7229, 24.3536

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.



50.4844, 46.6613, 37.0215



37.0435, 46.6613, 55.7693



52.3375, 46.6613, 58.0575

Square

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



37.0435, 46.6613, 55.7693



46.0509, 46.6613, 76.3878



52.5595, 46.6613, 46.1467



42.6919, 46.6613, 31.6876

Rectangle

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



37.0435, 46.6613, 55.7693



40.7572, 46.6613, 73.6640



52.5595, 46.6613, 46.1467



48.1483, 46.6613, 33.2459

Sweetspot

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



37.0449, 46.6632, 55.7704



83.2910, 92.8149, 104.6592



32.1396, 44.7804, 26.3525



18.0010, 20.2032, 22.8722



0.0000, 0.0000, 0.0000



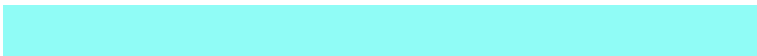
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0449, 46.6632, 55.7704



63.0935, 82.4870, 99.9085



31.4898, 34.8433, 56.1068



10.3425, 11.4180, 12.8069



18.2967, 27.6127, 33.7850



0.7984, 1.1962, 1.5009

Inverse Universe

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



33.5458, 27.7229, 24.3536



55.7862, 42.9030, 34.2766



37.6562, 36.3610, 24.4366



10.0964, 10.0872, 10.5980



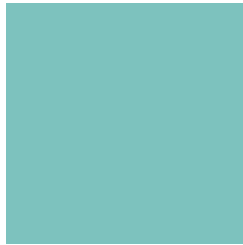
14.6786, 7.5612, 0.9534



0.6425, 0.3300, 0.0851

Previews

White Background



This preview shows how the XYZ color 37.0435, 46.6613, 55.7693 looks on a white background.

Color Contrast Check

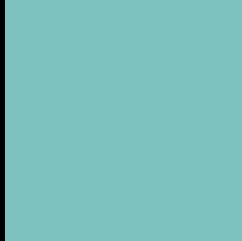
Large Text (above 18pt) WCAG AA × Fail

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 37.0435, 46.6613, 55.7693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

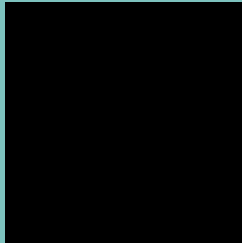
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0435, 46.6613, 55.7693

Background



This preview shows how black text looks on a background with the XYZ color 37.0435, 46.6613, 55.7693.

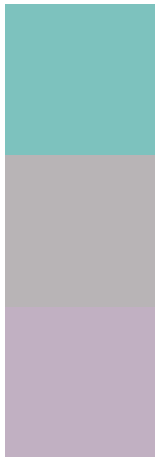


This preview shows how white text looks on a background with the XYZ color 37.0435, 46.6613,

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

37.0435, 46.6613, 55.7693

Protanopia

44.5319, 46.2103, 50.8284

Deuteranopia

47.2553, 46.2832, 57.4819



Tritanopia

38.9465, 46.4337, 65.9414

Trichromacy



Original Color

37.0435, 46.6613, 55.7693

Protanomaly

41.2102, 45.9872, 52.6034

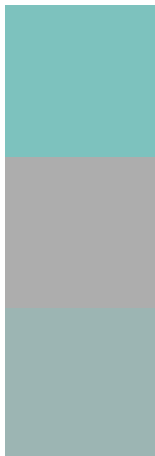
Deuteranomaly

42.7076, 46.0421, 57.0882

Tritanomaly

38.2943, 46.5055, 62.2165

Monochromacy



Original Color

37.0435, 46.6613, 55.7693

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3709, 43.3703, 48.9968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0435, 46.6613, 55.7693 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(125, 194, 190)` looks like.

```
.text, #text, p{  
  color:rgb(125, 194, 190)  
}
```

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(125, 194, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 194, 190) }
```

Border

The CSS property to change the border of an element to XYZ 37.0435, 46.6613, 55.7693 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(125, 194, 190) }
```


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

```
.border{ border-color:rgb(125, 194, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 194, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 194, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 194, 190);  
box-shadow:4px 4px 4px 4px rgb(125, 194,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0435, 46.6613, 55.7693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 194, 190) }
```

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

```
.background{ background-color: rgb(125,  
194, 190) }
```

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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