

Converting Colors

XYZ(37.6521, 55.1724, 34.8915)

Have a look what the booklet for
XYZ(37.6521, 55.1724, 34.8915)
contains.

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Color

**XYZ(37.7583, 55.3363,
35.0765)**

Conversions

Conversions Part 1

Format	Color
Hex	7BD890
RGB	123, 216, 144
RGB Percent	48%, 85%, 56%
CMY	0.5176, 0.1529, 0.4353
CMYK	0.43, 0.00, 0.33, 0.15
HSL	134°, 54%, 66%
HSV	134°, 43%, 85%
XYZ	37.7583, 55.3363, 35.0765
YIQ	179.9850, -32.3160, -42.1080

Conversions

Conversions Part 2

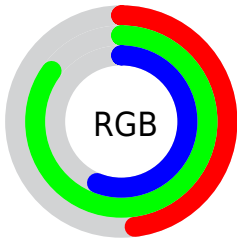
Format	Color
RYB	123, 199, 216
Decimal	8116368
CIELab	79.23, -42.93, 27.09
CIELCh	79, 50.768, 147.746
Yxy	55.3363, 0.2946, 0.4317
Android (android.graphics.Color)	4286306448 (0xFF7BD890)
YUV	179.9850, -17.7406, -49.9758
Hunter-Lab	74.3884, -39.5760, 24.1147

Details

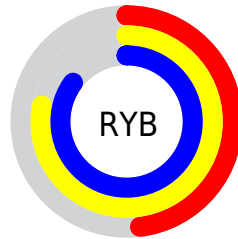
The XYZ color **37.7583, 55.3363, 35.0765** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.2540, 32.7061, 55.5595**, and the grayscale version is **43.4802, 45.7446, 49.8158**.

A 20% lighter version of the original color is **64.5434, 85.1809, 66.4658**, and **16.8613, 27.1252, 14.7029** is the 20% darker color. If you saturate the color by 10%, you get **33.8178, 53.4434, 28.7075**, and if you desaturate by 10%, it is **42.5727, 57.6610, 42.4771**.

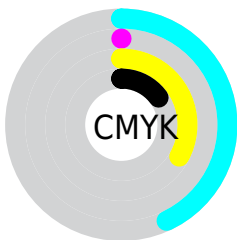
Distribution



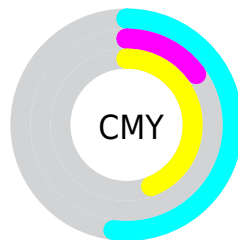
- Red (48%)
- Green (85%)
- Blue (56%)



- Red (48%)
- Yellow (78%)
- Blue (85%)



- Cyan (43%)
- Magenta (0%)
- Yellow (33%)
- Black (15%)



- Cyan (52%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7583, 55.3363, 35.0765 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 37.7583, 55.3363, 35.0765 by changing the saturation by 10% instead.

■ 37.7583, 55.3363,
35.0765

■ 37.7583, 55.3363,
35.0765

327.8808,
407.1855, 339.8204

■ 25.9715, 39.6710,
23.4378

■ 71.0438, 98.0335,
68.7572

■ 16.9349, 27.2822,
14.7088

■ 93.2733, 125.8343,
91.6362

■ 10.2831, 17.7852,
8.4709

■ 119.7143,
158.4489, 119.0991

■ 5.6508, 10.7959,
4.3057

150.7323,
196.2620, 151.5644

■ 2.6725, 5.9298,
1.7945

186.6926,
239.6578, 189.4506

■ 0.9831, 2.8024,
0.4243

227.9605,

■ 0.0000, 1.0295,

289.0207, 233.1764

0.0000

274.9015,
344.7351, 283.1601

■ 0.0000, 0.0000,
0.0000

■ 37.7583, 55.3363,
35.0765

■ 37.7583, 55.3363,
35.0765

■ 33.8178, 53.4434,
28.7075

■ 42.5727, 57.6610,
42.4771

■ 30.6933, 51.9486,
23.3206

■ 48.3058, 60.4349,
50.9486

■ 28.3264, 50.8246,
18.8678


■ 55.0042, 63.6829,
60.5326


■ 26.6491, 50.0372,
15.2953


■ 62.7102, 67.4259,
71.2675

■ 25.5798, 49.5458,
12.5440

■ 71.4635, 71.6835,
83.1898

 25.1066, 49.3337,
11.0801

 81.3016, 76.4745,
96.3344

 83.8469, 77.5938,
105.1656

Harmonies

Analogous

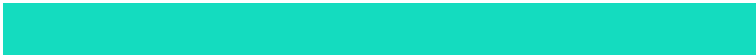
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0237, 55.3363, 23.0900



37.7583, 55.3363, 35.0765



35.4066, 55.3363, 58.0800

Triad

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



37.7583, 55.3363, 35.0765



51.8316, 55.3363, 135.1265



71.8256, 55.3363, 37.7989

Complementary

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



37.7583, 55.3363, 35.0765



45.2540, 32.7061, 55.5595

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.



74.6038, 55.3363, 62.4771



37.7583, 55.3363, 35.0765



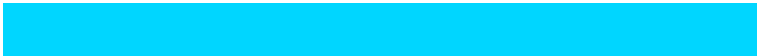
62.2135, 55.3363, 124.4833

Square

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



37.7583, 55.3363, 35.0765



42.8533, 55.3363, 120.9510



70.8848, 55.3363, 95.2703



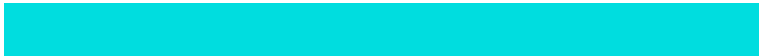
63.7125, 55.3363, 24.2695

Rectangle

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



37.7583, 55.3363, 35.0765



36.1129, 55.3363, 78.9417



70.8848, 55.3363, 95.2703



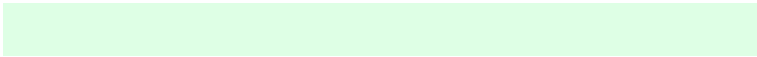
73.4566, 55.3363, 44.7725

Sweetspot

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



37.7597, 55.3386, 35.0777



80.0280, 92.7018, 88.0499



50.8590, 62.2601, 28.0762



16.6379, 19.6035, 18.1506



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.



37.7597, 55.3386, 35.0777



49.5384, 77.9651, 42.2908



41.9819, 57.0275, 57.3115



12.3761, 13.9415, 13.7951



14.8939, 29.2129, 6.7368



0.9303, 1.7748, 0.5746

Inverse Universe

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



45.2540, 32.7061, 55.5595



61.8472, 40.7169, 75.8749



40.8563, 30.9470, 32.4014



12.8274, 12.5825, 15.0315



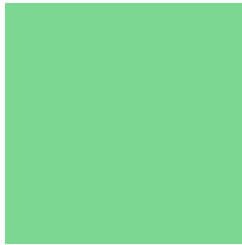
20.9453, 10.3145, 22.8139



1.2934, 0.6342, 1.5346

Previews

White Background



This preview shows how the XYZ color 37.7583, 55.3363, 35.0765 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 37.7583, 55.3363, 35.0765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

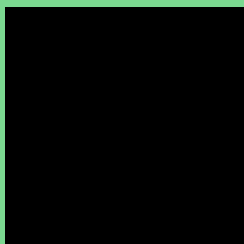
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

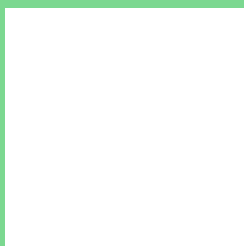
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7583, 55.3363, 35.0765

Background



This preview shows how black text looks on a background with the XYZ color 37.7583, 55.3363, 35.0765.



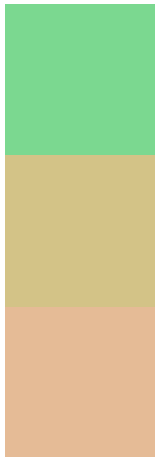
This preview shows how white text looks on a background with the XYZ color 37.7583, 55.3363,

35.0765.

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

37.7583, 55.3363, 35.0765

Protanopia

50.7522, 54.6284, 30.7911

Deuteranopia

55.5884, 54.4007, 36.4247



Tritanopia

46.2058, 55.0458, 78.0016

Trichromacy



Original Color

37.7583, 55.3363, 35.0765



Protanomaly

44.5338, 54.1306, 32.1458



Deuteranomaly

46.7746, 53.4734, 35.8731



Tritanomaly

42.6157, 55.0566, 59.4198

Monochromacy



Original Color

37.7583, 55.3363, 35.0765



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.3431, 48.3009, 43.7559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7583, 55.3363, 35.0765 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(123, 216, 144)` looks like.

```
.text, #text, p{  
    color:rgb(123, 216, 144)  
}
```

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(123, 216, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 216, 144) }
```

Border

The CSS property to change the border of an element to XYZ 37.7583, 55.3363, 35.0765 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(123, 216, 144) }
```


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

```
.border{ border-color:rgb(123, 216, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 216, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 216, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 216, 144);  
box-shadow:4px 4px 4px 4px rgb(123, 216,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7583, 55.3363, 35.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 216, 144) }
```

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

```
.background{ background-color: rgb(123,  
216, 144) }
```

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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