

Converting Colors

XYZ(38.0141, 55.7679, 37.5715)

Have a look what the booklet for
XYZ(38.0141, 55.7679, 37.5715)
contains.

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Color

**XYZ(38.0636, 55.8208,
37.6225)**

Conversions

Conversions Part 1

Format	Color
Hex	78D996
RGB	120, 217, 150
RGB Percent	47%, 85%, 59%
CMY	0.5294, 0.1490, 0.4118
CMYK	0.45, 0.00, 0.31, 0.15
HSL	139°, 56%, 66%
HSV	139°, 45%, 85%
XYZ	38.0636, 55.8208, 37.6225
YIQ	180.3590, -36.3050, -41.4010

Conversions

Conversions Part 2

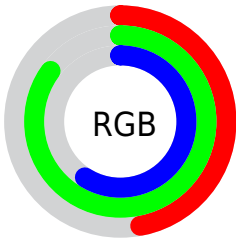
Format	Color
RYB	120, 194, 217
Decimal	7920022
CIELab	79.51, -43.14, 24.33
CIELCh	80, 49.529, 150.577
Yxy	55.8208, 0.2894, 0.4245
Android (android.graphics.Color)	4286110102 (0xFF78D996)
YUV	180.3590, -14.9670, -52.9348
Hunter-Lab	74.7133, -39.8093, 22.4434

Details

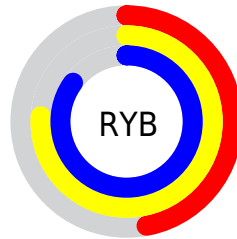
The XYZ color **38.0636, 55.8208, 37.6225** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.3032, 31.7737, 50.8136**, and the grayscale version is **43.6685, 45.9427, 50.0316**.

A 20% lighter version of the original color is **64.5636, 85.1097, 70.1517**, and **17.0469, 27.4474, 16.2038** is the 20% darker color. If you saturate the color by 10%, you get **34.2576, 53.9909, 31.5423**, and if you desaturate by 10%, it is **42.7089, 58.0686, 44.5504**.

Distribution



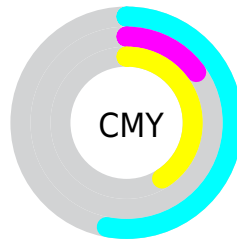
- Red (47%)
- Green (85%)
- Blue (59%)



- Red (47%)
- Yellow (76%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (31%)
- Black (15%)



- Cyan (53%)
- Magenta (15%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0636, 55.8208, 37.6225 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 38.0636, 55.8208, 37.6225 by changing the saturation by 10% instead.

■ 38.0636, 55.8208,
37.6225

■ 38.0636, 55.8208,
37.6225

329.1689,
409.0158, 351.2473

■ 26.2095, 40.0593,
25.3903

■ 71.5089, 98.7425,
72.7262

■ 17.1139, 27.5848,
16.1464

■ 93.8308, 126.6715,
96.4347

■ 10.4116, 18.0129,
9.4723

■ 120.3726,
159.4251, 124.8057

■ 5.7370, 10.9592,
4.9495

151.4998,
197.3876, 158.2577

■ 2.7250, 6.0394,
2.1595

187.5776,
240.9436, 197.2094

■ 1.0100, 2.8691,
0.6508

228.9715,

■ 0.0000, 1.0638,

290.4774, 242.0792

0.0000

276.0468,
346.3733, 293.2856

■ 0.0000, 0.0000,
0.0000

■ 38.0636, 55.8208,
37.6225

■ 38.0636, 55.8208,
37.6225

■ 34.2576, 53.9909,
31.5423

■ 42.7089, 58.0686,
44.5504

■ 31.2340, 52.5457,
26.2731

■ 48.2369, 60.7514,
52.3532

■ 28.9356, 51.4579,
21.7814


■ 54.6931, 63.8937,
61.0615


■ 27.2950, 50.6935,
18.0294


■ 62.1187, 67.5160,
70.7033


■ 26.2306, 50.2112,
14.9761

■ 70.5522, 71.6377,
81.3053

 25.8305, 50.0345,
13.6244

 80.0301, 76.2770,
92.8932

 84.0919, 78.1030,
105.1878

 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



43.8990, 55.8208, 24.7345



38.0636, 55.8208, 37.6225



36.1190, 55.8208, 61.3328

Triad

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



38.0636, 55.8208, 37.6225



53.2489, 55.8208, 133.7648



71.3091, 55.8208, 36.9326

Complementary

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



38.0636, 55.8208, 37.6225



44.3032, 31.7737, 50.8136

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.



74.6001, 55.8208, 60.2292



38.0636, 55.8208, 37.6225



63.4052, 55.8208, 121.2772

Square

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



38.0636, 55.8208, 37.6225



44.1938, 55.8208, 122.1539



71.5440, 55.8208, 91.8978



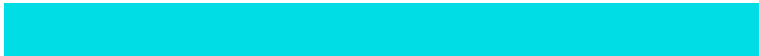
63.0302, 55.8208, 24.4327

Rectangle

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



38.0636, 55.8208, 37.6225



37.0719, 55.8208, 82.1632



71.5440, 55.8208, 91.8978



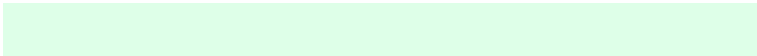
73.0785, 55.8208, 43.4705

Sweetspot

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



38.0651, 55.8231, 37.6238



80.4183, 92.8579, 90.1052



48.9194, 61.6630, 27.0936



16.7333, 19.6417, 18.6531



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.



38.0651, 55.8231, 37.6238



49.4718, 77.8568, 45.6265



42.7072, 57.6800, 62.0691



13.0515, 14.6722, 14.7343



15.6776, 30.3036, 8.4674



1.0537, 1.9784, 0.7488

Inverse Universe

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



44.3032, 31.7737, 50.8136



59.5721, 38.8269, 66.9152



40.0228, 30.0615, 28.2734



13.4340, 13.2027, 15.5467



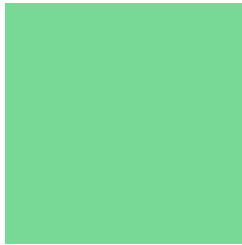
20.6985, 10.2804, 18.5901



1.3789, 0.6812, 1.4043

Previews

White Background



This preview shows how the XYZ color 38.0636, 55.8208, 37.6225 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 38.0636, 55.8208, 37.6225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

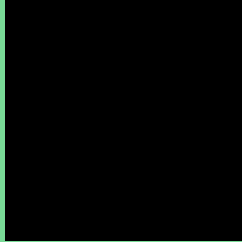
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0636, 55.8208, 37.6225

Background



This preview shows how black text looks on a background with the XYZ color 38.0636, 55.8208, 37.6225.



This preview shows how white text looks on a background with the XYZ color 38.0636, 55.8208,

37.6225.

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

38.0636, 55.8208, 37.6225

Protanopia

51.4116, 55.2518, 33.1543

Deuteranopia

55.9789, 54.8607, 39.0913



Tritanopia

46.3269, 55.8119, 78.8521

Trichromacy



Original Color

38.0636, 55.8208, 37.6225



Protanomaly

44.9870, 54.6643, 34.5658



Deuteranomaly

47.2424, 53.9988, 38.5047



Tritanomaly

42.7324, 55.4450, 61.2731

Monochromacy



Original Color

38.0636, 55.8208, 37.6225



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.3319, 48.2736, 44.7281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0636, 55.8208, 37.6225 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(120, 217, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 217, 150)  
}
```

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(120, 217, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 217, 150) }
```

Border

The CSS property to change the border of an element to XYZ 38.0636, 55.8208, 37.6225 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(120, 217, 150) }
```


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

```
.border{ border-color:rgb(120, 217, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 217, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 217, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 217, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 217,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0636, 55.8208, 37.6225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 217, 150) }
```

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

```
.background{ background-color: rgb(120,  
217, 150) }
```

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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