

Converting Colors

XYZ(36.6350, 55.7415, 38.1873)

Have a look what the booklet for
XYZ(36.6350, 55.7415, 38.1873)
contains.

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Color

**XYZ(36.7431, 55.9007,
38.1315)**

Conversions

Conversions Part 1

Format	Color
Hex	69DB97
RGB	105, 219, 151
RGB Percent	41%, 86%, 59%
CMY	0.5882, 0.1412, 0.4078
CMYK	0.52, 0.00, 0.31, 0.14
HSL	144°, 61%, 64%
HSV	144°, 52%, 86%
XYZ	36.7431, 55.9007, 38.1315
YIQ	177.1620, -46.1160, -45.3160

Conversions

Conversions Part 2

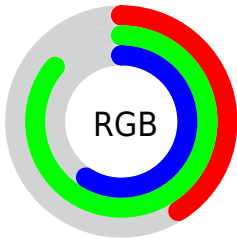
Format	Color
RYB	105, 186, 219
Decimal	6937495
CIELab	79.56, -47.65, 23.78
CIELCh	80, 53.254, 153.478
Yxy	55.9007, 0.2810, 0.4275
Android (android.graphics.Color)	4285127575 (0xFF69DB97)
YUV	177.1620, -12.8979, -63.2861
Hunter-Lab	74.7668, -43.1205, 22.0985

Details

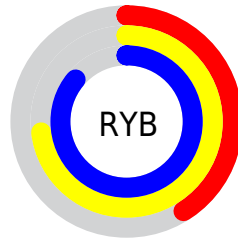
The XYZ color **36.7431, 55.9007, 38.1315** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.8096, 28.1814, 42.7729**, and the grayscale version is **41.9593, 44.1444, 48.0733**.

A 20% lighter version of the original color is **62.0048, 83.7628, 71.2924**, and **16.3523, 27.6067, 16.5234** is the 20% darker color. If you saturate the color by 10%, you get **33.4918, 54.3420, 32.7453**, and if you desaturate by 10%, it is **40.7772, 57.8524, 44.1705**.

Distribution



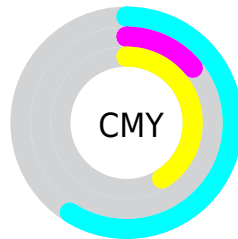
- Red (41%)
- Green (86%)
- Blue (59%)



- Red (41%)
- Yellow (73%)
- Blue (86%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (14%)





- Cyan (59%)
- Magenta (14%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7431, 55.9007, 38.1315 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 36.7431, 55.9007, 38.1315 by changing the saturation by 10% instead.


 36.7431, 55.9007,
38.1315


 36.7431, 55.9007,
38.1315


323.5718,
409.3172, 353.4988


 25.1814, 40.1233,
25.7821


 69.4939, 98.8594,
73.5153


 16.3417, 27.6347,
16.4364


 91.4137, 126.8095,
97.3868

 9.8587, 18.0505,
9.6758


 117.5169,
159.5859, 125.9362

 5.3669, 10.9862,
5.0818

 148.1689,
197.5731, 159.5818

 2.5011, 6.0576,
2.2357

183.7351,
241.1554, 198.7424

 0.8958, 2.8801,
0.6949

224.5807,

 0.0000, 1.0695,

290.7173, 243.8364

0.0000

271.0712,
346.6430, 295.2824

■ 0.0000, 0.0000,
0.0000

■ 36.7431, 55.9007,
38.1315

■ 36.7431, 55.9007,
38.1315

■ 33.4918, 54.3420,
32.7453

■ 40.7772, 57.8524,
44.1705

■ 30.9631, 53.1412,
27.9856

■ 45.6397, 60.2157,
50.8798

■ 29.0949, 52.2681,
23.8296

■ 51.3778, 63.0159,
58.2810

■ 27.8111, 51.6841,
20.2516

■ 58.0339, 66.2746,
66.3936

■ 27.1094, 51.3759,
17.8006

■ 65.6474, 70.0117,
75.2362

■ 74.2554, 74.2459,
84.8267

■ 82.6668, 78.3629,
95.1250

■ 84.6226, 79.1452,
105.4242

Harmonies

Analogous

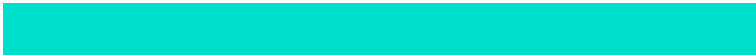
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5555, 55.9007, 23.7163



36.7431, 55.9007, 38.1315



35.1018, 55.9007, 64.5171

Triad

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



36.7431, 55.9007, 38.1315



54.3918, 55.9007, 140.8309



72.2421, 55.9007, 33.7692

Complementary

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



36.7431, 55.9007, 38.1315



41.8096, 28.1814, 42.7729

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.



76.4716, 55.9007, 57.3560



36.7431, 55.9007, 38.1315



65.3299, 55.9007, 124.5620

Square

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



36.7431, 55.9007, 38.1315



44.4503, 55.9007, 130.4224



73.7872, 55.9007, 91.2096



62.8762, 55.9007, 21.8572

Rectangle

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



36.7431, 55.9007, 38.1315



36.3824, 55.9007, 87.5379



73.7872, 55.9007, 91.2096



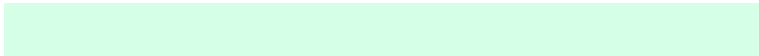
74.3648, 55.9007, 40.2506

Sweetspot

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



36.7446, 55.9030, 38.1328



77.9262, 91.5967, 88.9248



45.2053, 60.6154, 22.6824



16.2627, 19.4015, 18.5252



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.



36.7446, 55.9030, 38.1328



47.0852, 76.6183, 45.8841



42.4950, 58.2031, 68.4139



13.1032, 14.6929, 15.0062



16.1249, 30.4826, 10.8229



1.0866, 1.9916, 0.9220

Inverse Universe

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



41.8096, 28.1814, 42.7729



54.9321, 33.5616, 52.9919



37.4422, 26.4345, 19.7748



13.3804, 13.1813, 15.2645



19.7921, 9.9179, 13.8172



1.3245, 0.6594, 1.1175

Previews

White Background



This preview shows how the XYZ color 36.7431, 55.9007, 38.1315 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 36.7431, 55.9007, 38.1315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

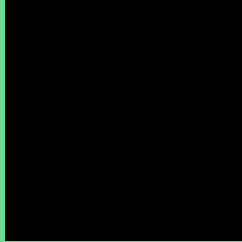
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7431, 55.9007, 38.1315

Background



This preview shows how black text looks on a background with the XYZ color 36.7431, 55.9007, 38.1315.

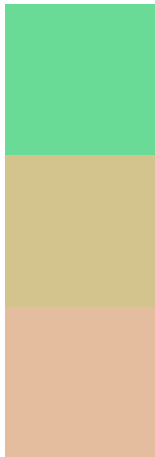


This preview shows how white text looks on a background with the XYZ color 36.7431, 55.9007,

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

36.7431, 55.9007, 38.1315

Protanopia

51.4116, 55.2518, 33.1543

Deuteranopia

56.1497, 54.9290, 39.9907



Tritanopia

44.9854, 55.4519, 80.2838

Trichromacy



Original Color

36.7431, 55.9007, 38.1315



Protanomaly

43.7170, 54.0007, 34.9071



Deuteranomaly

45.8683, 53.2807, 38.8770



Tritanomaly

41.5743, 55.5636, 62.5665

Monochromacy



Original Color

36.7431, 55.9007, 38.1315



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.6800, 47.1057, 44.0995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7431, 55.9007, 38.1315 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(105, 219, 151)` looks like.

```
.text, #text, p{  
    color:rgb(105, 219, 151)  
}
```

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(105, 219, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 219, 151) }
```

Border

The CSS property to change the border of an element to XYZ 36.7431, 55.9007, 38.1315 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(105, 219, 151) }
```


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

```
.border{ border-color:rgb(105, 219, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 219, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 219, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 219, 151);  
box-shadow:4px 4px 4px 4px rgb(105, 219,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7431, 55.9007, 38.1315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 219, 151) }
```

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

```
.background{ background-color: rgb(105,  
219, 151) }
```

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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