

Converting Colors

XYZ(36.8282, 56.1317, 35.2560)

Have a look what the booklet for
XYZ(36.8282, 56.1317, 35.2560)
contains.

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Color

**XYZ(36.7960, 55.9916,
35.2537)**

Conversions

Conversions Part 1

Format	Color
Hex	6EDB90
RGB	110, 219, 144
RGB Percent	43%, 86%, 56%
CMY	0.5686, 0.1412, 0.4353
CMYK	0.50, 0.00, 0.34, 0.14
HSL	139°, 60%, 65%
HSV	139°, 50%, 86%
XYZ	36.7960, 55.9916, 35.2537
YIQ	177.8590, -40.8890, -46.4330

Conversions

Conversions Part 2

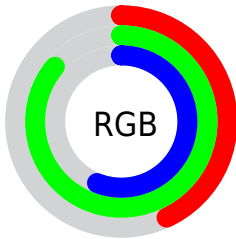
Format	Color
RYB	110, 193, 219
Decimal	7265168
CIELab	79.61, -47.70, 27.51
CIELCh	80, 55.062, 150.026
Yxy	55.9916, 0.2874, 0.4373
Android (android.graphics.Color)	4285455248 (0xFF6EDB90)
YUV	177.8590, -16.6925, -59.5123
Hunter-Lab	74.8275, -43.1719, 24.4458

Details

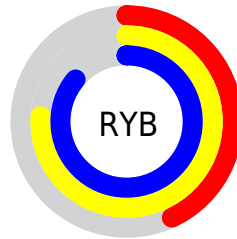
The XYZ color **36.7960, 55.9916, 35.2537** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.5481, 29.7160, 49.3416**, and the grayscale version is **42.3445, 44.5498, 48.5147**.

A 20% lighter version of the original color is **61.8894, 83.8127, 66.3416**, and **16.3396, 27.6377, 14.8293** is the 20% darker color. If you saturate the color by 10%, you get **33.3247, 54.3280, 29.4755**, and if you desaturate by 10%, it is **41.0973, 58.0685, 41.8757**.

Distribution



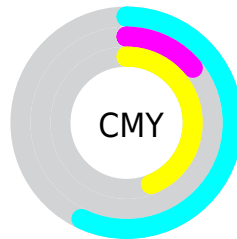
- Red (43%)
- Green (86%)
- Blue (56%)



- Red (43%)
- Yellow (76%)
- Blue (86%)



- Cyan (50%)
- Magenta (0%)
- Yellow (34%)
- Black (14%)





- Cyan (57%)
- Magenta (14%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7960, 55.9916, 35.2537 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 36.7960, 55.9916, 35.2537 by changing the saturation by 10% instead.


 36.7960, 55.9916,
35.2537


 36.7960, 55.9916,
35.2537


323.7974,
409.6598, 340.6250


 25.2225, 40.1962,
23.5733


 69.5748, 98.9923,
69.0346

 16.3725, 27.6915,
14.8081

 91.5108, 126.9664,
91.9722

 9.8807, 18.0933,
8.5397

 117.6318,
159.7688, 119.4992

 5.3816, 11.0170,
4.3495

148.3029,
197.7839, 152.0342

 2.5099, 6.0783,
1.8190

183.8897,
241.3962, 189.9957

 0.9002, 2.8927,
0.4404

224.7575,

 0.0000, 1.0760,

290.9900, 233.8024

0.0000

271.2716,
346.9498, 283.8726

■ 0.0000, 0.0000,
0.0000

■ 36.7960, 55.9916,
35.2537

■ 36.7960, 55.9916,
35.2537

■ 33.3247, 54.3280,
29.4755

■ 41.0973, 58.0685,
41.8757

■ 30.6224, 53.0421,
24.5032

■ 46.2752, 60.5773,
49.3700

■ 28.6266, 52.1042,
20.3014

■ 52.3782, 63.5439,
57.7682


■ 27.2618, 51.4760,
16.8303

■ 59.4495, 66.9901,
67.0994


■ 26.4023, 51.0937,
14.0450

■ 67.5300, 70.9363,
77.3913

 26.3855, 51.0863,
13.9889

 76.6578, 75.4017,
88.6703

 83.7474, 78.7950,
100.8159

 84.6225, 79.1451,
105.4242

Harmonies

Analogous

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



43.2419, 55.9916, 21.8942



36.7960, 55.9916, 35.2537



34.6100, 55.9916, 60.9933

Triad

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



36.7960, 55.9916, 35.2537



53.2281, 55.9916, 144.7356



73.9060, 55.9916, 35.2201

Complementary

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



36.7960, 55.9916, 35.2537



43.5481, 29.7160, 49.3416

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.



77.5269, 55.9916, 60.9374



36.7960, 55.9916, 35.2537



64.6221, 55.9916, 130.6298

Square

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



36.7960, 55.9916, 35.2537



43.2566, 55.9916, 130.6762



73.9181, 55.9916, 96.8640



64.6029, 55.9916, 21.8800

Rectangle

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



36.7960, 55.9916, 35.2537



35.5872, 55.9916, 84.3706



73.9181, 55.9916, 96.8640



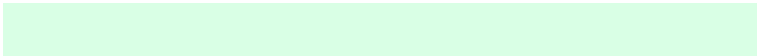
75.8812, 55.9916, 42.3462

Sweetspot

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



36.7974, 55.9939, 35.2550



78.3994, 91.8728, 87.4966



48.4706, 62.2681, 24.2168



16.3355, 19.4477, 18.1371



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.



36.7974, 55.9939, 35.2550



46.7223, 76.5379, 41.0486



41.8646, 58.0208, 61.9383



13.0530, 14.6728, 14.7419



15.6883, 30.3079, 8.5240



1.0545, 1.9788, 0.7532

Inverse Universe

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



43.5481, 29.7160, 49.3416



57.2876, 35.2812, 62.9990



38.9421, 27.8736, 25.0867



13.4325, 13.2021, 15.5387



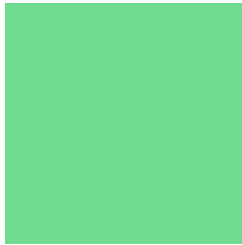
20.6708, 10.2693, 18.4441



1.3773, 0.6806, 1.3957

Previews

White Background



This preview shows how the XYZ color 36.7960, 55.9916, 35.2537 looks on a white background.

Color Contrast Check

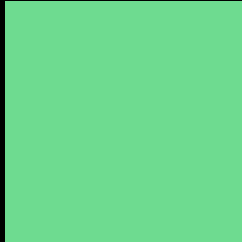
Large Text (above 18pt) WCAG AA × Fail

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 36.7960, 55.9916, 35.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

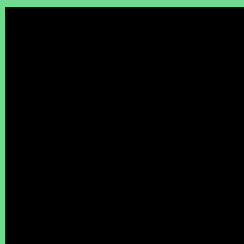
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

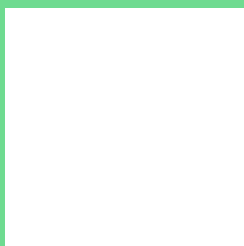
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7960, 55.9916, 35.2537

Background



This preview shows how black text looks on a background with the XYZ color 36.7960, 55.9916, 35.2537.

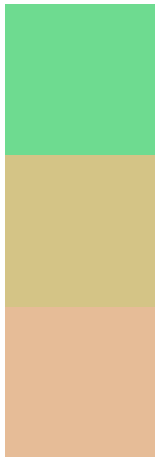


This preview shows how white text looks on a background with the XYZ color 36.7960, 55.9916,

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

36.7960, 55.9916, 35.2537

Protanopia

51.1944, 55.1981, 30.5103

Deuteranopia

56.2023, 55.0238, 36.9366



Tritanopia

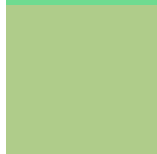
45.7339, 55.8377, 80.3188

Trichromacy



Original Color

36.7960, 55.9916, 35.2537



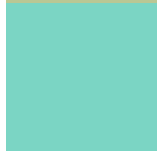
Protanomaly

43.8595, 54.1347, 32.1822



Deuteranomaly

46.0184, 53.4241, 35.9034



Tritanomaly

41.9264, 55.7850, 60.7824

Monochromacy



Original Color

36.7960, 55.9916, 35.2537



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.0898, 47.6654, 43.2165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7960, 55.9916, 35.2537 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(110, 219, 144)` looks like.

```
.text, #text, p{  
    color:rgb(110, 219, 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(110, 219, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 219, 144) }
```

Border

The CSS property to change the border of an element to XYZ 36.7960, 55.9916, 35.2537 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(110, 219, 144) }
```


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

```
.border{ border-color:rgb(110, 219, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 219, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 219, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 219, 144);  
box-shadow:4px 4px 4px 4px rgb(110, 219,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7960, 55.9916, 35.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 219, 144) }
```

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

```
.background{ background-color: rgb(110,  
219, 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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