

Converting Colors

XYZ(36.4391, 62.6584, 32.2619)

Have a look what the booklet for
XYZ(36.4391, 62.6584, 32.2619)
contains.

XYZ(36.5438, 62.8777, 32.4008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.5438, 62.8777,
32.4008)**

Conversions

Conversions Part 1

Format	Color
Hex	43EC85
RGB	67, 236, 133
RGB Percent	26%, 93%, 52%
CMY	0.7372, 0.0745, 0.4784
CMYK	0.72, 0.00, 0.44, 0.07
HSL	143°, 82%, 59%
HSV	143°, 72%, 93%
XYZ	36.5438, 62.8777, 32.4008
YIQ	173.7270, -67.6610, -67.8610

Conversions

Conversions Part 2

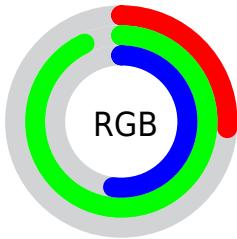
Format	Color
RYB	67, 189, 236
Decimal	4451461
CIELab	83.38, -64.78, 37.82
CIELCh	83, 75.008, 149.724
Yxy	62.8777, 0.2772, 0.4770
Android (android.graphics.Color)	4282641541 (0xFF43EC85)
YUV	173.7270, -20.0784, -93.5996
Hunter-Lab	79.2955, -56.5042, 31.2804

Details

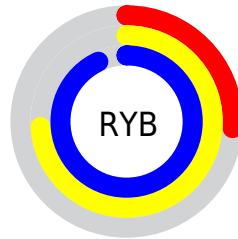
The XYZ color **36.5438, 62.8777, 32.4008** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **43.8568, 24.7506, 40.4979**, and the grayscale version is **40.2180, 42.3124, 46.0782**.

A 20% lighter version of the original color is **54.8830, 80.3421, 59.6286**, and **17.6431, 32.8494, 13.3933** is the 20% darker color. If you saturate the color by 10%, you get **34.3168, 61.8384, 27.4604**, and if you desaturate by 10%, it is **39.5688, 64.3161, 38.0918**.

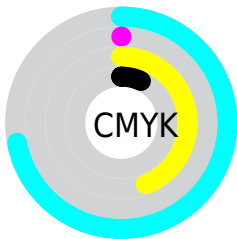
Distribution



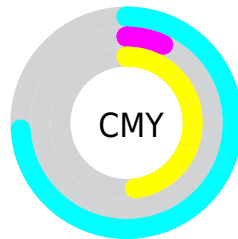
- Red (26%)
- Green (93%)
- Blue (52%)



- Red (26%)
- Yellow (74%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)



- Cyan (74%)
- Magenta (7%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5438, 62.8777, 32.4008 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 36.5438, 62.8777, 32.4008 by changing the saturation by 10% instead.

 36.5438, 62.8777,
32.4008


 36.5438, 62.8777,
32.4008

322.7211,
435.1255, 327.4898


 25.0265, 45.7423,
21.4005


 69.1890, 108.9931,
64.5441


 16.2257, 32.0425,
13.2230


 91.0476, 138.7418,
86.5241

 9.7758, 21.3940,
7.4497


 117.0841,
173.4637, 113.0011

 5.3117, 13.4123,
3.6622

 147.6637,
213.5433, 144.3937

 2.4679, 7.7131,
1.4419

183.1518,
259.3648, 181.1203

 0.8791, 3.9119,
0.1741

223.9139,

 0.0000, 1.6244,

311.3128, 223.5994

0.0000

270.3152,
369.7715, 272.2498

■ 0.0000, 0.3740,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5438, 62.8777,
32.4008

■ 36.5438, 62.8777,
32.4008

■ 34.3168, 61.8384,
27.4604

■ 39.5688, 64.3161,
38.0918


■ 32.7918, 61.1443,
23.2332


■ 43.4637, 66.1849,
44.5596


■ 31.9358, 60.7690,
20.2099


■ 48.2971, 68.5206,
51.8344

■ 54.1293, 71.3537,
59.9436

 61.0152, 74.7122,
68.9129

 69.0058, 78.6216,
78.7671

 78.1486, 83.1061,
89.5299

 88.1912, 88.0352,
101.2102

 89.2867, 88.4734,
106.9789

Harmonies

Analogous

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



45.5094, 62.8777, 16.3033



36.5438, 62.8777, 32.4008



33.5451, 62.8777, 68.0309

Triad

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



36.5438, 62.8777, 32.4008



59.6122, 62.8777, 203.4794



91.3838, 62.8777, 32.8586

Complementary

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



36.5438, 62.8777, 32.4008



43.8568, 24.7506, 40.4979

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.



96.9764, 62.8777, 68.8972



36.5438, 62.8777, 32.4008



76.7204, 62.8777, 179.9926

Square

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



36.5438, 62.8777, 32.4008



45.2913, 62.8777, 179.1687



91.1832, 62.8777, 124.5355



77.0302, 62.8777, 16.4702

Rectangle

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



36.5438, 62.8777, 32.4008



34.8139, 62.8777, 103.5119



91.1832, 62.8777, 124.5355



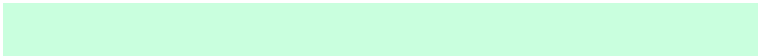
94.4556, 62.8777, 42.3808

Sweetspot

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



36.5454, 62.8803, 32.4022



73.2021, 89.2934, 82.7397



47.8524, 69.0813, 16.1225



15.1493, 18.8590, 17.0495



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.



36.5454, 62.8803, 32.4022



39.9494, 73.2786, 30.2384



44.7434, 66.1595, 75.5725



15.1119, 16.9596, 17.2720



17.6619, 33.5192, 11.4508



1.4329, 2.6505, 1.1413

Inverse Universe

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



43.8568, 24.7506, 40.4979



49.0568, 25.3817, 40.0254



38.3096, 22.5317, 11.2867



15.4512, 15.2083, 17.6611



21.9010, 10.9631, 15.8121



1.7667, 0.8797, 1.4890

Previews

White Background



This preview shows how the XYZ color 36.5438, 62.8777, 32.4008 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 36.5438, 62.8777, 32.4008 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 36.5438, 62.8777, 32.4008

Background



This preview shows how black text looks on a background with the XYZ color 36.5438, 62.8777, 32.4008.

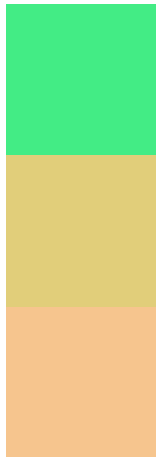


This preview shows how white text looks on a background with the XYZ color 36.5438, 62.8777,

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

36.5438, 62.8777, 32.4008

Protanopia

56.6355, 61.5553, 27.3087

Deuteranopia

62.8548, 61.4783, 34.1449



Tritanopia

48.4781, 62.3120, 93.4767

Trichromacy



Original Color

36.5438, 62.8777, 32.4008



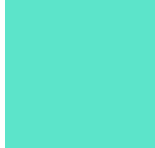
Protanomaly

44.7272, 59.4569, 28.8576



Deuteranomaly

47.0105, 58.2764, 33.1968



Tritanomaly

42.8177, 62.0264, 65.5927

Monochromacy



Original Color

36.5438, 62.8777, 32.4008



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.2159, 47.5866, 40.0772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5438, 62.8777, 32.4008 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(67, 236, 133)` looks like.

```
.text, #text, p{  
  color:rgb(67, 236, 133)  
}
```

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(67, 236, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 236, 133) }
```

Border

The CSS property to change the border of an element to XYZ 36.5438, 62.8777, 32.4008 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(67, 236, 133) }
```


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

```
.border{ border-color:rgb(67, 236, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 236, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 236, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 236, 133);  
box-shadow:4px 4px 4px 4px rgb(67, 236,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5438, 62.8777, 32.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 236, 133) }
```

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

```
.background{ background-color: rgb(67, 236,  
133) }
```

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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