

Converting Colors

XYZ(36.4978, 68.1627, 19.9156)

Have a look what the booklet for
XYZ(36.4978, 68.1627, 19.9156)
contains.

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Color

**XYZ(36.3687, 67.9343,
19.7901)**

Conversions

Conversions Part 1

Format	Color
Hex	35F755
RGB	53, 247, 85
RGB Percent	21%, 97%, 33%
CMY	0.7921, 0.0314, 0.6666
CMYK	0.79, 0.00, 0.66, 0.03
HSL	130°, 92%, 59%
HSV	130°, 79%, 97%
XYZ	36.3687, 67.9343, 19.7901
YIQ	170.5260, -63.6220, -91.5100

Conversions

Conversions Part 2

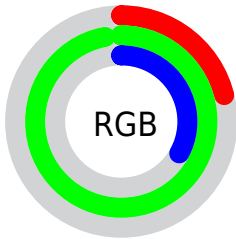
Format	Color
R_{YB}	53, 220, 247
Decimal	3536725
CIE _{Lab}	85.97, -76.55, 62.53
CIE _{LCh}	86, 98.838, 140.757
Yxy	67.9343, 0.2931, 0.5474
Android (android.graphics.Color)	4281726805 (0xFF35F755)
YUV	170.5260, -42.1643, -103.0703
Hunter-Lab	82.4223, -65.4761, 43.4597

Details

The XYZ color **36.3687, 67.9343, 19.7901** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **51.8985, 27.2278, 66.8114**, and the grayscale version is **38.7001, 40.7155, 44.3392**.

A 20% lighter version of the original color is **49.9278, 78.2684, 37.6751**, and **18.3330, 36.4493, 6.7786** is the 20% darker color. If you saturate the color by 10%, you get **34.6855, 67.1499, 16.0404**, and if you desaturate by 10%, it is **38.9621, 69.1643, 24.8318**.

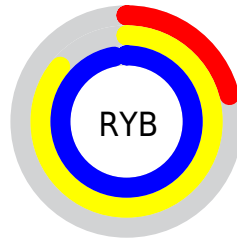
Distribution



Red (21%)

Green (97%)

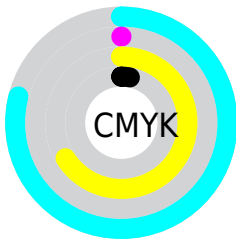
Blue (33%)



Red (21%)

Yellow (86%)

Blue (97%)

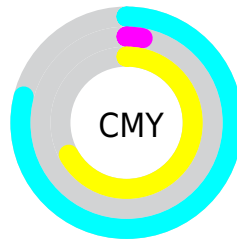


Cyan (79%)

Magenta (0%)

Yellow (66%)

Black (3%)



Cyan (79%)

Magenta (3%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3687, 67.9343, 19.7901 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 36.3687, 67.9343, 19.7901 by changing the saturation by 10% instead.

36.3687, 67.9343,
19.7901

36.3687, 67.9343,
19.7901

321.9724,
453.2632, 263.3431

24.8905, 49.8443,
12.0600

68.9209, 116.2581,
43.9193

16.1238, 35.2897,
6.6615

90.7257, 147.2608,
61.1555

9.7032, 23.8861,
3.1761

116.7033,
183.3364, 82.3975

5.2634, 15.2492,
1.1852

147.2192,
224.8694, 108.0638

2.4389, 8.9944,
0.0000

182.6387,
272.2442, 138.5730

0.8646, 4.7376,
0.0000

223.3272,

0.0000, 2.0941,

325.8452, 174.3436

0.0000

269.6499,
386.0567, 215.7941

0.0000, 0.6613,
0.0000

0.0000, 0.0000,
0.0000

36.3687, 67.9343,
19.7901

36.3687, 67.9343,
19.7901

34.6855, 67.1499,
16.0404

38.9621, 69.1643,
24.8318


33.7572, 66.7274,
13.4591


42.5699, 70.8856,
31.2643


33.6579, 66.6825,
13.1717


47.2872, 73.1471,
39.1820


53.1966, 75.9896,
48.6699

 60.3725, 79.4499,
59.8063

 68.8836, 83.5617,
72.6645

 78.7934, 88.3564,
87.3133

 90.1612, 93.8632,
103.8177

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



50.3298, 67.9343, 7.8935



36.3687, 67.9343, 19.7901



30.4127, 67.9343, 55.6862

Triad

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



36.3687, 67.9343, 19.7901



57.8226, 67.9343, 278.0539



114.4657, 67.9343, 37.9810

Complementary

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



36.3687, 67.9343, 19.7901



51.8985, 27.2278, 66.8114

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.



117.8106, 67.9343, 95.8704



36.3687, 67.9343, 19.7901



81.2697, 67.9343, 262.6864

Square

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



36.3687, 67.9343, 19.7901



40.7478, 67.9343, 218.7510



104.5203, 67.9343, 184.2791



96.2310, 67.9343, 13.3143

Rectangle

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



36.3687, 67.9343, 19.7901



30.5339, 67.9343, 99.7806



104.5203, 67.9343, 184.2791



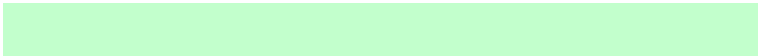
117.5125, 67.9343, 53.0432

Sweetspot

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



36.3703, 67.9371, 19.7916



68.8434, 87.3175, 70.2866



62.7895, 81.6719, 15.8234



14.0620, 18.3644, 14.0212



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.



36.3703, 67.9371, 19.7916



36.6477, 71.8984, 15.5407



42.8776, 70.5400, 54.0586



16.3937, 18.5166, 18.0916



17.8340, 35.2784, 7.1457



1.5990, 3.1133, 0.7945

Inverse Universe

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



51.8985, 27.2278, 66.8114



53.7399, 26.5401, 66.8901



43.0778, 23.6995, 20.3621



17.0893, 16.7186, 20.2170



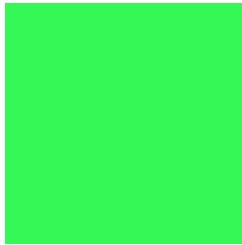
26.2398, 12.8394, 32.3009



2.3368, 1.1407, 3.0000

Previews

White Background



This preview shows how the XYZ color 36.3687, 67.9343, 19.7901 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 36.3687, 67.9343, 19.7901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

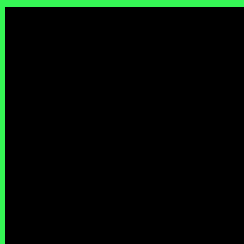
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3687, 67.9343, 19.7901

Background



This preview shows how black text looks on a background with the XYZ color 36.3687, 67.9343, 19.7901.

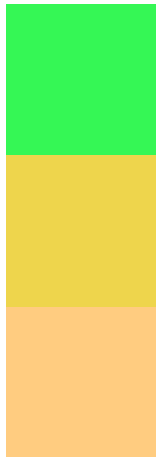


This preview shows how white text looks on a background with the XYZ color 36.3687, 67.9343,

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

36.3687, 67.9343, 19.7901

Protanopia

60.3587, 66.2874, 16.4510

Deuteranopia

66.7291, 66.0042, 29.6452



Tritanopia

52.2616, 67.3690, 100.6915

Trichromacy



Original Color

36.3687, 67.9343, 19.7901



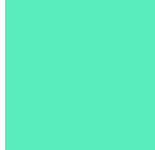
Protanomaly

45.1311, 63.0729, 17.1928



Deuteranomaly

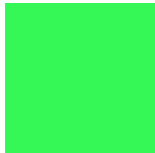
47.8092, 62.3013, 24.8348



Tritanomaly

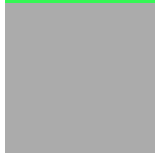
43.6983, 66.4099, 59.2305

Monochromacy



Original Color

36.3687, 67.9343, 19.7901



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.0591, 47.3295, 32.1513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3687, 67.9343, 19.7901 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(53, 247, 85)` looks like.

```
.text, #text, p{  
    color:rgb(53, 247, 85)  
}
```

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(53, 247, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 247, 85) }
```

Border

The CSS property to change the border of an element to XYZ 36.3687, 67.9343, 19.7901 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(53, 247, 85) }
```


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

```
.border{ border-color:rgb(53, 247, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 247, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 247, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 247, 85);  
box-shadow:4px 4px 4px 4px rgb(53, 247,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3687, 67.9343, 19.7901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 247, 85) }
```

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

```
.background{ background-color: rgb(53, 247,  
85) }
```

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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