

Converting Colors

XYZ(36.4604, 65.5557, 33.0018)

Have a look what the booklet for
XYZ(36.4604, 65.5557, 33.0018)
contains.

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Color

**XYZ(36.3625, 65.3919,
32.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	18F285
RGB	24, 242, 133
RGB Percent	9%, 95%, 52%
CMY	0.9058, 0.0510, 0.4784
CMYK	0.90, 0.00, 0.45, 0.05
HSL	150°, 89%, 52%
HSV	150°, 90%, 95%
XYZ	36.3625, 65.3919, 32.8957
YIQ	164.3920, -94.9390, -80.1150

Conversions

Conversions Part 2

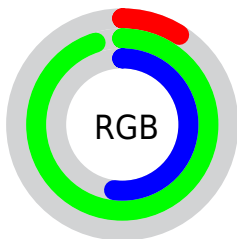
Format	Color
RYB	24, 169, 242
Decimal	1634949
CIELab	84.69, -71.01, 39.39
CIELCh	85, 81.209, 150.981
Yxy	65.3919, 0.2701, 0.4856
Android (android.graphics.Color)	4279825029 (0xFF18F285)
YUV	164.3920, -15.4763, -123.1238
Hunter-Lab	80.8653, -61.2485, 32.4867

Details

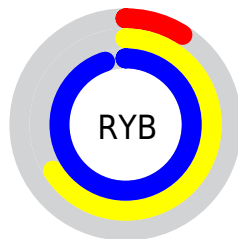
The XYZ color **36.3625, 65.3919, 32.8957** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **41.1807, 21.2255, 24.1215**, and the grayscale version is **35.5800, 37.4329, 40.7645**.

A 20% lighter version of the original color is **52.0658, 78.8898, 59.4968**, and **18.6257, 34.8751, 13.5345** is the 20% darker color. If you saturate the color by 10%, you get **35.2043, 64.8871, 28.7570**, and if you desaturate by 10%, it is **38.1011, 66.1878, 37.5974**.

Distribution



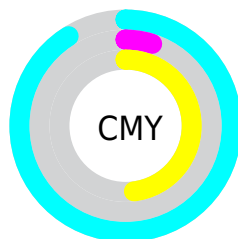
- Red (9%)
- Green (95%)
- Blue (52%)



- Red (9%)
- Yellow (66%)
- Blue (95%)



- Cyan (90%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)





- Cyan (91%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3625, 65.3919, 32.8957 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 36.3625, 65.3919, 32.8957 by changing the saturation by 10% instead.


 36.3625, 65.3919,
32.8957


 36.3625, 65.3919,
32.8957


321.9459,
444.1989, 329.7971


 24.8857, 47.7789,
21.7761


 68.9114, 112.6131,
65.3268


 16.1202, 33.6518,
13.4957


 90.7143, 142.9901,
87.4754


 9.7006, 22.6263,
7.6361


 116.6898,
178.3906, 114.1373

 5.2617, 14.3178,
3.7786

 147.2035,
219.1990, 145.7312

 2.4379, 8.3420,
1.5047

 182.6205,
265.7996, 182.6756

 0.8641, 4.3146,
0.2214

223.3064,

 0.0000, 1.8510,

318.5769, 225.3890

0.0000

269.6264,
377.9152, 274.2900

■ 0.0000, 0.5187,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3625, 65.3919,
32.8957

■ 36.3625, 65.3919,
32.8957


■ 35.2043, 64.8871,
28.7570


■ 38.1011, 66.1878,
37.5974


■ 40.5600, 67.3416,
42.8504


■ 43.8321, 68.9029,
48.6759


■ 47.9946, 70.9110,
55.0924

 53.1151, 73.4006,
62.1172

 59.2545, 76.4026,
69.7670

 66.4683, 79.9454,
78.0574

 74.8079, 84.0553,
87.0039

 84.3215, 88.7567,
96.6209

Harmonies

Analogous

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



45.8671, 65.3919, 15.2973



36.3625, 65.3919, 32.8957



33.3872, 65.3919, 72.9260

Triad

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



36.3625, 65.3919, 32.8957



62.7526, 65.3919, 225.1291



97.1217, 65.3919, 31.1556

Complementary

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



36.3625, 65.3919, 32.8957



41.1807, 21.2255, 24.1215

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.



103.9729, 65.3919, 69.5028



36.3625, 65.3919, 32.8957



81.8991, 65.3919, 195.8223

Square

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



36.3625, 65.3919, 32.8957



46.7176, 65.3919, 199.2013



97.9287, 65.3919, 131.5056



80.6612, 65.3919, 14.6915

Rectangle

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



36.3625, 65.3919, 32.8957



34.9359, 65.3919, 113.3083



97.9287, 65.3919, 131.5056



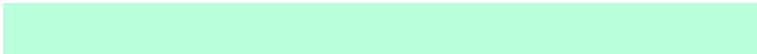
100.7539, 65.3919, 41.0797

Sweetspot

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



36.3641, 65.3945, 32.8972



69.0405, 87.1756, 81.2968



42.1761, 68.8608, 11.9333



14.2157, 18.3837, 16.7364



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.



36.3641, 65.3945, 32.8972



39.6231, 73.0652, 32.2626



47.6175, 69.8959, 92.1564



15.8955, 17.7882, 18.4727



18.9804, 34.8842, 15.8114



1.6292, 2.9221, 1.5798

Inverse Universe

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



41.1807, 21.2255, 24.1215



45.1038, 22.8055, 22.2766



37.1516, 19.6139, 2.9042



16.1024, 15.8907, 18.0957



21.5947, 10.9103, 11.0481



1.8467, 0.9277, 1.1836

Previews

White Background



This preview shows how the XYZ color 36.3625, 65.3919, 32.8957 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 36.3625, 65.3919, 32.8957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

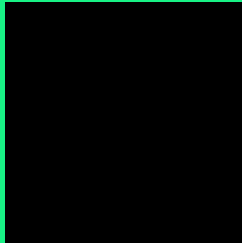
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3625, 65.3919, 32.8957

Background



This preview shows how black text looks on a background with the XYZ color 36.3625, 65.3919, 32.8957.

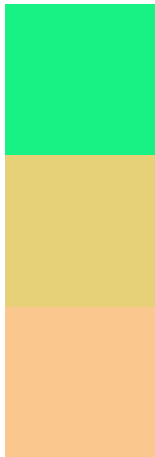


This preview shows how white text looks on a background with the XYZ color 36.3625, 65.3919,

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

36.3625, 65.3919, 32.8957

Protanopia

58.8848, 63.8044, 27.3011

Deuteranopia

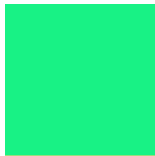
65.0365, 63.6157, 34.8379



Tritanopia

49.3220, 65.0812, 97.9581

Trichromacy



Original Color

36.3625, 65.3919, 32.8957



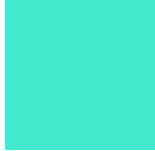
Protanomaly

43.0757, 60.1621, 28.7442



Deuteranomaly

45.1091, 58.7898, 33.3962



Tritanomaly

42.9473, 64.5308, 68.5847

Monochromacy



Original Color

36.3625, 65.3919, 32.8957



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.4095, 43.5099, 36.8798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3625, 65.3919, 32.8957 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(24, 242, 133)` looks like.

```
.text, #text, p{  
    color:rgb(24, 242, 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(24, 242, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 242, 133) }
```

Border

The CSS property to change the border of an element to XYZ 36.3625, 65.3919, 32.8957 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(24, 242, 133) }
```


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

```
.border{ border-color:rgb(24, 242, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 242, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 242, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 242, 133);  
box-shadow:4px 4px 4px 4px rgb(24, 242,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3625, 65.3919, 32.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 242, 133) }
```

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

```
.background{ background-color: rgb(24, 242,  
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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