

# Converting Colors

XYZ(35.1715, 60.3840, 40.7333)

Have a look what the booklet for  
XYZ(35.1715, 60.3840, 40.7333)  
contains.

<b>XYZ(35.1264, 60.2619, 40.7907)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(35.1264, 60.2619,  
40.7907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17E89B
RGB	23, 232, 155
RGB Percent	9%, 91%, 61%
CMY	0.9097, 0.0902, 0.3921
CMYK	0.90, 0.00, 0.33, 0.09
HSL	158°, 82%, 50%
HSV	158°, 90%, 91%
XYZ	35.1264, 60.2619, 40.7907
YIQ	160.7310, -99.8470, -68.2550

# Conversions

## Conversions Part 2

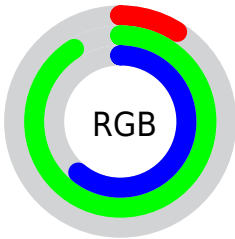
Format	Color
<a href="#">RYB</a>	<a href="#">23, 151, 232</a>
Decimal	<a href="#">1566875</a>
CIELab	<a href="#">81.98, -63.52, 24.75</a>
CIELCh	<a href="#">82, 68.169, 158.707</a>
Yxy	<a href="#">60.2619, 0.2579, 0.4425</a>
Android (android.graphics.Color)	<a href="#">4279756955 (0xFF17E89B)</a>
YUV	<a href="#">160.7310, -2.8254, -120.7901</a>
Hunter-Lab	<a href="#">77.6285, -55.0799, 23.1854</a>

# Details

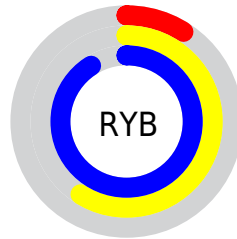
The XYZ color **35.1264, 60.2619, 40.7907** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **35.8878, 18.6904, 13.7774**, and the grayscale version is **33.8005, 35.5607, 38.7256**.

A 20% lighter version of the original color is **54.3323, 79.7506, 73.5026**, and **17.7782, 31.6392, 18.0019** is the 20% darker color. If you saturate the color by 10%, you get **34.0866, 59.8069, 37.1547**, and if you desaturate by 10%, it is **36.6545, 60.9653, 44.7451**.

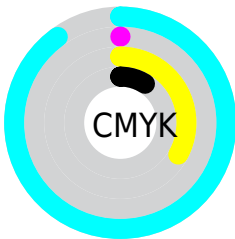
# Distribution



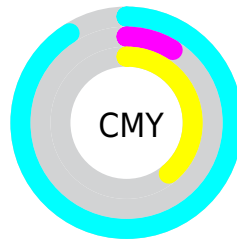
- Red (9%)
- Green (91%)
- Blue (61%)



- Red (9%)
- Yellow (59%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)




- Cyan (91%)
- Magenta (9%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1264, 60.2619, 40.7907 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 35.1264, 60.2619, 40.7907 by changing the saturation by 10% instead.





 35.1264, 60.2619,  
40.7907


 35.1264, 60.2619,  
40.7907


316.6242,  
425.5625, 365.0958


 23.9272, 43.6298,  
27.8371


 67.0143, 105.2095,  
77.6163


 15.4041, 30.3796,  
17.9649


 88.4337, 134.2937,  
102.3254


 9.1916, 20.1269,  
10.7556


 113.9905,  
168.2975, 131.7900

 4.9245, 12.4873,  
5.7907

 144.0502,  
207.6051, 166.4288

 2.2373, 7.0765,  
2.6515

 178.9781,  
252.6010, 206.6602

 0.7623, 3.5100,  
0.9189

219.1394,

 0.0000, 1.4034,

303.6696, 252.9028

0.0000

264.8997,  
361.1953, 305.5752

■ 0.0000, 0.2192,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.1264, 60.2619,  
40.7907

■ 35.1264, 60.2619,  
40.7907

■ 34.0866, 59.8069,  
37.1547

■ 36.6545, 60.9653,  
44.7451

■ 38.7975, 61.9782,  
48.9976

■ 41.6376, 63.3443,  
53.5585

■ 45.2426, 65.0985,  
58.4360

■ 49.6718, 67.2713,  
63.6377

■ 54.9786, 69.8901,  
69.1709

■ 61.2119, 72.9800,  
75.0424

■ 68.4165, 76.5639,  
81.2590

■ 76.6346, 80.6637,  
87.8270

# Harmonies

## Analogous

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



41.6246, 60.2619, 21.0996



35.1264, 60.2619, 40.7907



34.0027, 60.2619, 78.3899

# Triad

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



35.1264, 60.2619, 40.7907



61.5795, 60.2619, 179.6157



81.7613, 60.2619, 27.4224

# Complementary

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



35.1264, 60.2619, 40.7907



35.8878, 18.6904, 13.7774

# 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.



89.3001, 60.2619, 54.3093



35.1264, 60.2619, 40.7907



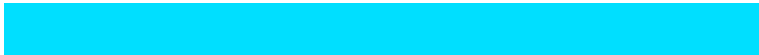
76.4311, 60.2619, 149.1682

# Square

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



35.1264, 60.2619, 40.7907



47.7843, 60.2619, 170.9403



87.2010, 60.2619, 98.8927



67.9507, 60.2619, 15.9436



# Rectangle

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



35.1264, 60.2619, 40.7907



36.2320, 60.2619, 111.6430



87.2010, 60.2619, 98.8927



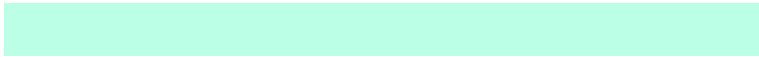
85.2102, 60.2619, 34.3780

# Sweetspot

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



35.1280, 60.2643, 40.7921



70.2775, 87.6704, 87.8104



34.6208, 60.6684, 10.6970



14.5074, 18.5003, 18.2723



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.



35.1280, 60.2643, 40.7921



42.1970, 74.0948, 45.8167



37.3836, 50.9364, 84.2081



14.5704, 16.2416, 17.2683



18.9856, 33.2263, 20.9563



1.4474, 2.4731, 1.7825



# Inverse Universe

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



35.8878, 18.6904, 13.7774



43.2584, 22.0673, 12.5586



34.4673, 19.2834, 2.7170



14.5954, 14.4554, 16.0700



19.4516, 9.9149, 6.0071

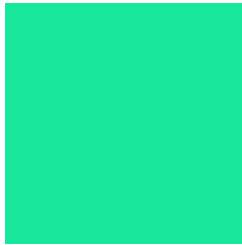


1.4810, 0.7501, 0.6735



# Previews

## White Background



This preview shows how the XYZ color 35.1264, 60.2619, 40.7907 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 35.1264, 60.2619, 40.7907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

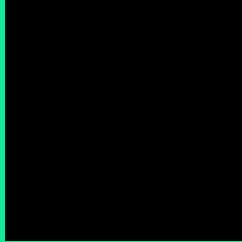
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.1264, 60.2619, 40.7907**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1264, 60.2619, 40.7907.



This preview shows how white text looks on a background with the XYZ color 35.1264, 60.2619,



# 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

35.1264, 60.2619, 40.7907

### Protanopia

54.9165, 59.0995, 34.1041

### Deuteranopia

60.2536, 58.9261, 43.3201



## Tritanopia

44.9161, 59.7387, 90.8248

# Trichromacy



## Original Color

35.1264, 60.2619, 40.7907



## Protanomaly

41.0933, 55.8981, 36.2273



## Deuteranomaly

43.0894, 54.9541, 42.0544



## Tritanomaly

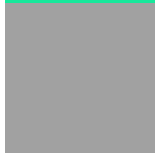
40.2348, 59.3966, 69.0186

# Monochromacy



## Original Color

35.1264, 60.2619, 40.7907



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

30.5839, 41.4234, 39.1845

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1264, 60.2619, 40.7907 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(23, 232, 155)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 155)  
}
```

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(23, 232, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1264, 60.2619, 40.7907 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(23, 232, 155) }
```



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

```
.border{ border-color:rgb(23, 232, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 155);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1264, 60.2619, 40.7907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 155) }
```

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

```
.background{ background-color: rgb(23, 232,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor