

Converting Colors

XYZ(37.2403, 69.5909, 25.5260)

Have a look what the booklet for
XYZ(37.2403, 69.5909, 25.5260)
contains.

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Color

**XYZ(37.2933, 69.6606,
25.6676)**

Conversions

Conversions Part 1

Format	Color
Hex	19FA6C
RGB	25, 250, 108
RGB Percent	10%, 98%, 42%
CMY	0.9019, 0.0196, 0.5765
CMYK	0.90, 0.00, 0.57, 0.02
HSL	142°, 96%, 54%
HSV	142°, 90%, 98%
XYZ	37.2933, 69.6606, 25.6676
YIQ	166.5370, -88.5180, -91.8620

Conversions

Conversions Part 2

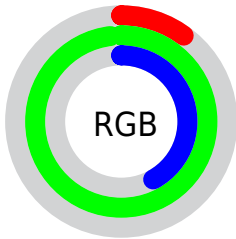
Format	Color
R_{YB}	25, 189, 250
Decimal	1702508
CIE _{Lab}	86.83, -77.19, 53.74
CIE _{LCh}	87, 94.056, 145.151
Yxy	69.6606, 0.2812, 0.5253
Android (android.graphics.Color)	4279892588 (0xFF19FA6C)
YUV	166.5370, -28.8587, -124.1279
Hunter-Lab	83.4629, -66.3019, 40.1904

Details

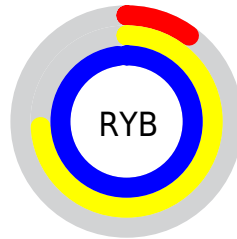
The XYZ color **37.2933, 69.6606, 25.6676** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **46.7494, 23.8106, 38.6947**, and the grayscale version is **36.6741, 38.5841, 42.0180**.

A 20% lighter version of the original color is **50.1166, 78.1574, 47.0948**, and **19.5155, 37.9656, 9.7896** is the 20% darker color. If you saturate the color by 10%, you get **36.1287, 69.1506, 21.6202**, and if you desaturate by 10%, it is **39.1270, 70.5019, 30.5427**.

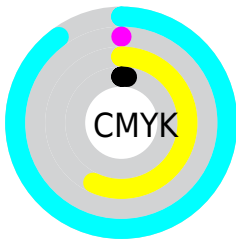
Distribution



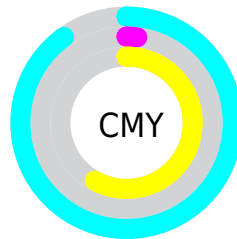
- Red (10%)
- Green (98%)
- Blue (42%)



- Red (10%)
- Yellow (74%)
- Blue (98%)



- Cyan (90%)
- Magenta (0%)
- Yellow (57%)
- Black (2%)




- Cyan (90%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2933, 69.6606, 25.6676 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 37.2933, 69.6606, 25.6676 by changing the saturation by 10% instead.


 37.2933, 69.6606,
25.6676


 37.2933, 69.6606,
25.6676


325.9121,
459.3574, 294.6999


 25.6094, 51.2499,
16.3516


 70.3346, 118.7246,
53.7157


 16.6628, 36.4075,
9.6163


 92.4226, 150.1467,
73.2849


 10.0882, 24.7491,
5.0430


 118.7094,
186.6747, 97.1089

 5.5202, 15.8902,
2.2133

 149.5603,
228.6931, 125.6062

 2.5934, 9.4465,
0.6821

 185.3407,
276.5861, 159.1954

 0.9426, 5.0335,
0.0000

226.4159,

 0.0000, 2.2670,

330.7382, 198.2951

0.0000

273.1512,
391.5339, 243.3237

■ 0.0000, 0.7561,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2933, 69.6606,
25.6676

■ 37.2933, 69.6606,
25.6676

■ 36.1287, 69.1506,
21.6202


■ 39.1270, 70.5019,
30.5427


■ 36.1284, 69.1505,
21.6193


■ 41.7905, 71.7506,
36.2880


■ 45.3883, 73.4616,
42.9470

■ 50.0075, 75.6792,
50.5585

 55.7247, 78.4421,
59.1588

 62.6089, 81.7852,
68.7824

 70.7231, 85.7402,
79.4621

 80.1258, 90.3368,
91.2290

 90.8717, 95.6025,
104.1130

Harmonies

Analogous

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



49.8630, 69.6606, 10.6518



37.2933, 69.6606, 25.6676



32.4654, 69.6606, 66.0960

Triad

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



37.2933, 69.6606, 25.6676



62.7112, 69.6606, 270.9194



112.1624, 69.6606, 35.2416

Complementary

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



37.2933, 69.6606, 25.6676



46.7494, 23.8106, 38.6947

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.



117.7164, 69.6606, 86.5161



37.2933, 69.6606, 25.6676



85.7890, 69.6606, 245.9911

Square

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



37.2933, 69.6606, 25.6676



44.9276, 69.6606, 224.3061



107.1754, 69.6606, 167.8494



93.3339, 69.6606, 13.6532

Rectangle

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



37.2933, 69.6606, 25.6676



33.2896, 69.6606, 111.9773



107.1754, 69.6606, 167.8494



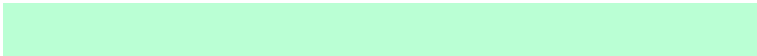
115.7979, 69.6606, 48.4697

Sweetspot

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



37.2950, 69.6634, 25.6692



67.8728, 86.7086, 75.1476



50.4058, 76.7147, 13.0709



13.9425, 18.2744, 15.2980



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.



37.2950, 69.6634, 25.6692



37.7833, 72.3293, 22.5744



47.5069, 73.7482, 79.4443



17.2821, 19.4151, 19.6860



19.2263, 36.7035, 11.8008



1.8299, 3.4191, 1.3520

Inverse Universe

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



46.7494, 23.8106, 38.6947



47.6673, 23.8309, 35.7759



40.4634, 21.2962, 5.5932



17.7055, 17.4096, 20.3051



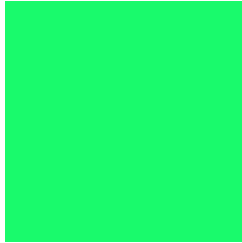
24.2472, 12.1146, 18.5422



2.2968, 1.1425, 1.9865

Previews

White Background



This preview shows how the XYZ color 37.2933, 69.6606, 25.6676 looks on a white background.

Color Contrast Check

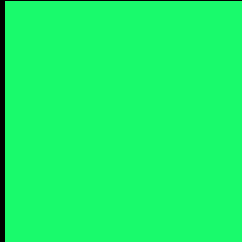
Large Text (above 18pt) WCAG AA × Fail

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 37.2933, 69.6606, 25.6676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

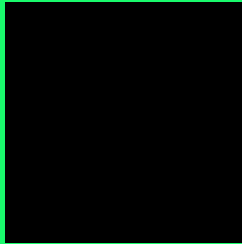
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2933, 69.6606, 25.6676

Background



This preview shows how black text looks on a background with the XYZ color 37.2933, 69.6606, 25.6676.

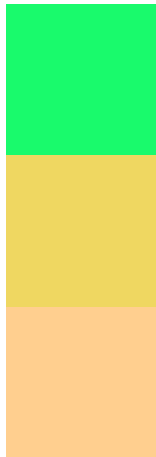


This preview shows how white text looks on a background with the XYZ color 37.2933, 69.6606,

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

37.2933, 69.6606, 25.6676

Protanopia

62.0547, 67.8147, 21.1282

Deuteranopia

68.5107, 67.8688, 35.4757



Tritanopia

52.8533, 69.2817, 104.3530

Trichromacy



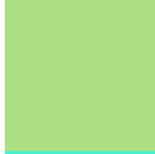
Original Color

37.2933, 69.6606, 25.6676



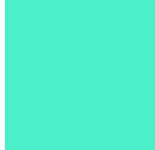
Protanomaly

44.7903, 64.0035, 22.3051



Deuteranomaly

47.2115, 63.0450, 30.7997



Tritanomaly

44.4504, 67.9537, 66.0319

Monochromacy



Original Color

37.2933, 69.6606, 25.6676



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.2248, 45.6527, 34.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2933, 69.6606, 25.6676 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(25, 250, 108)` looks like.

```
.text, #text, p{  
    color:rgb(25, 250, 108)  
}
```

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(25, 250, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 250, 108) }
```

Border

The CSS property to change the border of an element to XYZ 37.2933, 69.6606, 25.6676 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(25, 250, 108) }
```


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

```
.border{ border-color:rgb(25, 250, 108) }
```

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

Here you see how a box with a 4 pixel rgb(25, 250, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 250, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 250, 108);  
box-shadow:4px 4px 4px 4px rgb(25, 250,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2933, 69.6606, 25.6676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 250, 108) }
```

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

```
.background{ background-color: rgb(25, 250,  
108) }
```

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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