

Converting Colors

XYZ(36.7908, 70.0869, 22.6795)

Have a look what the booklet for
XYZ(36.7908, 70.0869, 22.6795)
contains.

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Color

**XYZ(36.6836, 69.8776,
22.6206)**

Conversions

Conversions Part 1

Format	Color
Hex	06FB60
RGB	6, 251, 96
RGB Percent	2%, 98%, 38%
CMY	0.9764, 0.0157, 0.6235
CMYK	0.98, 0.00, 0.62, 0.02
HSL	142°, 97%, 50%
HSV	142°, 98%, 98%
XYZ	36.6836, 69.8776, 22.6206
YIQ	160.0750, -96.2650, -100.1450

Conversions

Conversions Part 2

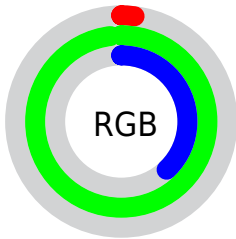
Format	Color
RYB	6, 185, 251
Decimal	457568
CIELab	86.94, -79.65, 59.02
CIELCh	87, 99.140, 143.461
Yxy	69.8776, 0.2840, 0.5409
Android (android.graphics.Color)	4278647648 (0xFF06FB60)
YUV	160.0750, -31.5890, -135.1238
Hunter-Lab	83.5928, -67.9551, 42.4708

Details

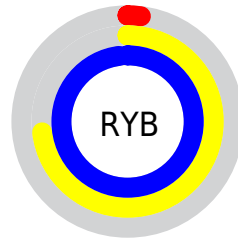
The XYZ color **36.6836, 69.8776, 22.6206** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.2843, 23.2140, 35.7637**, and the grayscale version is **33.6236, 35.3747, 38.5230**.

A 20% lighter version of the original color is **48.6820, 77.5363, 41.6783**, and **19.4198, 38.2799, 8.1989** is the 20% darker color. If you saturate the color by 10%, you get **36.4392, 69.7733, 21.7188**, and if you desaturate by 10%, it is **37.9851, 70.4574, 26.8932**.

Distribution



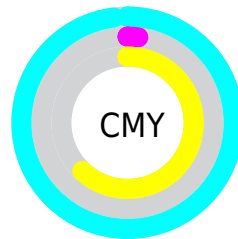
- Red (2%)
- Green (98%)
- Blue (38%)



- Red (2%)
- Yellow (73%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (62%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6836, 69.8776, 22.6206 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 36.6836, 69.8776, 22.6206 by changing the saturation by 10% instead.


 36.6836, 69.8776,
22.6206


 36.6836, 69.8776,
22.6206


323.3180,
460.1201, 278.8288


 25.1352, 51.4268,
14.1110


 69.4029, 119.0342,
48.6849


 16.3071, 36.5484,
8.0582


 91.3044, 150.5087,
67.0766


 9.8339, 24.8580,
4.0439


 117.3878,
187.0933, 89.5994

 5.3504, 15.9713,
1.6495

 148.0182,
229.1722, 116.6718

 2.4911, 9.5038,
0.3258

 183.5611,
277.1300, 148.7124

 0.8908, 5.0712,
0.0000

224.3818,

 0.0000, 2.2891,

331.3510, 186.1398

0.0000

270.8456,
392.2196, 229.3724

■ 0.0000, 0.7679,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6836, 69.8776,
22.6206

■ 36.6836, 69.8776,
22.6206


■ 36.4392, 69.7733,
21.7188


■ 37.9851, 70.4574,
26.8932


■ 40.0220, 71.3962,
32.0125


■ 42.9255, 72.7629,
38.0258


■ 46.7950, 74.6080,
44.9748

 51.7158, 76.9744,
52.8983

 57.7630, 79.9004,
61.8330

 65.0048, 83.4203,
71.8133

 73.5038, 87.5657,
82.8723

 83.3181, 92.3660,
95.0411

Harmonies

Analogous

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



50.2217, 69.8776, 8.8190



36.6836, 69.8776, 22.6206



31.2777, 69.8776, 62.4691

Triad

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



36.6836, 69.8776, 22.6206



61.4746, 69.8776, 286.0654



116.1998, 69.8776, 35.7745

Complementary

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



36.6836, 69.8776, 22.6206



46.2843, 23.2140, 35.7637

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.



121.1931, 69.8776, 91.5479



36.6836, 69.8776, 22.6206



85.7650, 69.8776, 263.2208

Square

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



36.6836, 69.8776, 22.6206



43.2801, 69.8776, 231.3851



108.9929, 69.8776, 180.0420



96.6053, 69.8776, 12.7407

Rectangle

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



36.6836, 69.8776, 22.6206



31.8461, 69.8776, 109.7929



108.9929, 69.8776, 180.0420



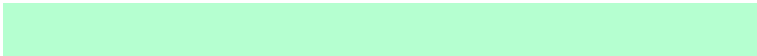
119.8045, 69.8776, 50.0960

Sweetspot

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



36.6853, 69.8805, 22.6222



66.2394, 85.9144, 72.9049



49.2643, 76.6053, 12.3624



13.4753, 18.0475, 14.6448



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.



36.6853, 69.8805, 22.6222



37.7656, 72.3222, 22.4814



47.2730, 74.1155, 78.3762



17.2809, 19.4147, 19.6801



19.2171, 36.6999, 11.7527



1.8289, 3.4187, 1.3471

Inverse Universe

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



46.2843, 23.2140, 35.7637



47.7021, 23.8449, 35.9591



40.2113, 20.7848, 3.7839



17.7067, 17.4100, 20.3113



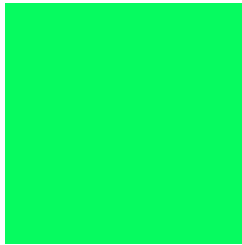
24.2648, 12.1216, 18.6347



2.2984, 1.1431, 1.9946

Previews

White Background



This preview shows how the XYZ color 36.6836, 69.8776, 22.6206 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 36.6836, 69.8776, 22.6206 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

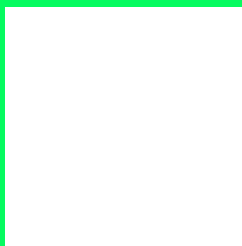
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6836, 69.8776, 22.6206

Background



This preview shows how black text looks on a background with the XYZ color 36.6836, 69.8776, 22.6206.



This preview shows how white text looks on a background with the XYZ color 36.6836, 69.8776,

Color Blindness Simulation

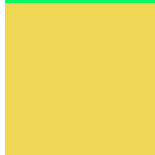
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.6836, 69.8776, 22.6206



Protanopia

62.1708, 68.3089, 18.7123



Deuteranopia

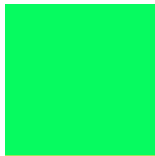
68.6036, 68.2948, 34.7657



Tritanopia

52.8533, 69.2817, 104.3530

Trichromacy



Original Color

36.6836, 69.8776, 22.6206



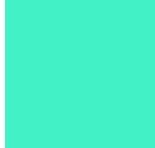
Protanomaly

43.3823, 63.7454, 19.6905



Deuteranomaly

45.6672, 62.6845, 29.0944



Tritanomaly

43.7801, 68.1001, 63.6605

Monochromacy



Original Color

36.6836, 69.8776, 22.6206



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.2942, 42.8891, 30.4014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6836, 69.8776, 22.6206 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(6, 251, 96)` looks like.

```
.text, #text, p{  
    color:rgb(6, 251, 96)  
}
```

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(6, 251, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 251, 96) }
```

Border

The CSS property to change the border of an element to XYZ 36.6836, 69.8776, 22.6206 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(6, 251, 96) }
```


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

```
.border{ border-color:rgb(6, 251, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 251, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 251, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 251, 96);  
box-shadow:4px 4px 4px 4px rgb(6, 251, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6836, 69.8776, 22.6206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 251, 96) }
```

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

```
.background{ background-color: rgb(6, 251,  
96) }
```

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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