

Converting Colors

XYZ(37.3487, 72.1555, 20.2861)

Have a look what the booklet for
XYZ(37.3487, 72.1555, 20.2861)
contains.

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Color

**XYZ(37.3602, 72.1601,
20.3467)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00FF54 |
| RGB | 0, 255, 84 |
| RGB Percent | 0%, 100%, 33% |
| CMY | 1.0000, 0.0000, 0.6706 |
| CMYK | 1.00, 0.00, 0.67, 0.00 |
| HSL | 140°, 100%, 50% |
| HSV | 140°, 100%, 100% |
| XYZ | 37.3602, 72.1601, 20.3467 |
| YIQ | 159.2610, -97.0890, -107.2410 |

Conversions

Conversions Part 2

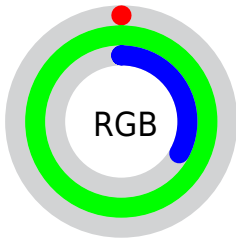
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 192, 255 |
| Decimal | 65364 |
| CIELab | 88.05, -82.21, 65.05 |
| CIELCh | 88, 104.830, 141.648 |
| Yxy | 72.1601, 0.2877, 0.5556 |
| Android (android.graphics.Color) | 4278255444 (0xFF00FF54) |
| YUV | 159.2610, -37.1037, -139.6719 |
| Hunter-Lab | 84.9471, -70.1522, 45.2617 |

Details

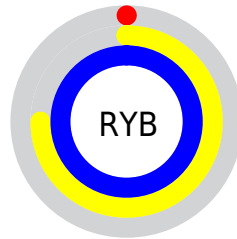
The XYZ color **37.3602, 72.1601, 20.3467** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **48.5905, 24.2002, 40.6370**, and the grayscale version is **33.2712, 35.0039, 38.1192**.

A 20% lighter version of the original color is **47.8297, 77.1954, 37.1902**, and **19.8335, 39.5173, 7.0725** is the 20% darker color. If you saturate the color by 10%, you get **37.3604, 72.1601, 20.3474**, and if you desaturate by 10%, it is **38.5275, 72.6748, 24.3360**.

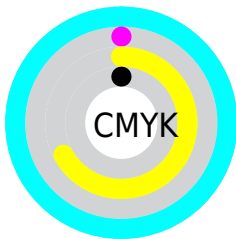
Distribution



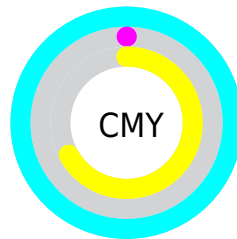
- Red (0%)
- Green (100%)
- Blue (33%)



- Red (0%)
- Yellow (75%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3602, 72.1601, 20.3467 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 37.3602, 72.1601, 20.3467 by changing the saturation by 10% instead.


 37.3602, 72.1601,
20.3467


 37.3602, 72.1601,
20.3467


326.1959,
468.0987, 266.4519


 25.6615, 53.2895,
12.4607


 70.4367, 122.2841,
44.8643

 16.7019, 38.0339,
6.9319


 92.5451, 154.3063,
62.3330


 10.1162, 26.0090,
3.3418


 118.8541,
191.4811, 83.8330

 5.5389, 16.8304,
1.2717

 149.7291,
234.1930, 109.7829

 2.6048, 10.1136,
0.0384

 185.5355,
282.8263, 140.6012

 0.9484, 5.4744,
0.0000

226.6385,

 0.0000, 2.5282,

337.7654, 176.7064

0.0000

273.4035,
399.3947, 218.5172

■ 0.0000, 0.8907,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3602, 72.1601,
20.3467

■ 37.3602, 72.1601,
20.3467

■ 37.3604, 72.1601,
20.3474

■ 38.5275, 72.6748,
24.3360

■ 40.4076, 73.5368,
29.2678

■ 43.1753, 74.8350,
35.2033

■ 46.9405, 76.6252,
42.1957

■ 51.7964, 78.9543,
50.2943

■ 57.8247, 81.8635,
59.5450

■ 65.0993, 85.3900,
69.9911

■ 73.6876, 89.5678,
81.6735

■ 83.6522, 94.4282,
94.6313

Harmonies

Analogous

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



52.3294, 72.1601, 7.4913



37.3602, 72.1601, 20.3467



31.1571, 72.1601, 60.2122

Triad

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



37.3602, 72.1601, 20.3467



61.8343, 72.1601, 308.8323



123.7053, 72.1601, 37.9237

Complementary

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



37.3602, 72.1601, 20.3467



48.5905, 24.2002, 40.6370

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.



128.0252, 72.1601, 100.3247



37.3602, 72.1601, 20.3467



87.9025, 72.1601, 288.7268

Square

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



37.3602, 72.1601, 20.3467



42.8621, 72.1601, 243.6536



113.6396, 72.1601, 198.7751



102.9668, 72.1601, 12.4911

Rectangle

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



37.3602, 72.1601, 20.3467



31.4418, 72.1601, 109.7897



113.6396, 72.1601, 198.7751



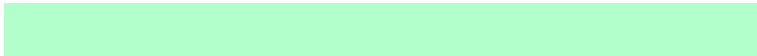
127.2984, 72.1601, 53.9125

Sweetspot

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



37.3605, 72.1602, 20.3479



65.0983, 85.3895, 69.9897



53.2715, 80.5475, 12.7396



13.2438, 17.9420, 14.0062



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.



37.3605, 72.1602, 20.3479



37.3604, 72.1601, 20.3474



47.1761, 76.0864, 72.0360



18.0183, 20.2668, 20.3993



19.5826, 37.7297, 10.9535



1.9547, 3.6928, 1.3193

Inverse Universe

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



48.5905, 24.2002, 40.6370



48.5904, 24.2001, 40.6364



41.7481, 21.4633, 4.6057



18.5233, 18.1926, 21.3727



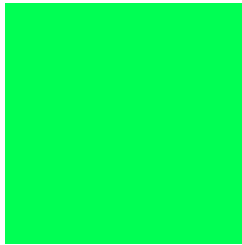
25.4614, 12.6738, 21.6119



2.5296, 1.2542, 2.3702

Previews

White Background



This preview shows how the XYZ color 37.3602, 72.1601, 20.3467 looks on a white background.

Color Contrast Check

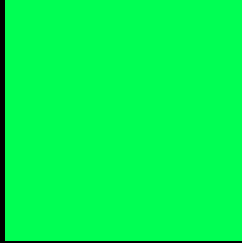
Large Text (above 18pt) WCAG AA × Fail

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 37.3602, 72.1601, 20.3467 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

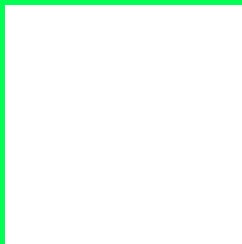
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3602, 72.1601, 20.3467

Background



This preview shows how black text looks on a background with the XYZ color 37.3602, 72.1601, 20.3467.

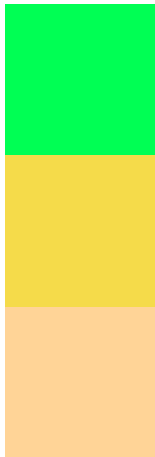


This preview shows how white text looks on a background with the XYZ color 37.3602, 72.1601,

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

37.3602, 72.1601, 20.3467

Protanopia

64.2237, 70.5699, 16.7150

Deuteranopia

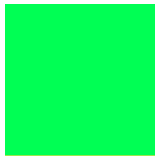
70.3694, 70.5813, 39.1928



Tritanopia

55.6703, 71.5703, 105.4881

Trichromacy



Original Color

37.3602, 72.1601, 20.3467



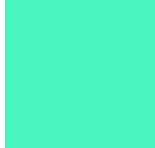
Protanomaly

43.9421, 65.3312, 17.5019



Deuteranomaly

46.4745, 64.7005, 30.1177



Tritanomaly

44.8004, 70.0075, 61.6036

Monochromacy



Original Color

37.3602, 72.1601, 20.3467



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.8235, 43.0162, 28.6136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3602, 72.1601, 20.3467 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(0, 255, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 84)  
}
```

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(0, 255, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 84) }
```

Border

The CSS property to change the border of an element to XYZ 37.3602, 72.1601, 20.3467 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(0, 255, 84) }
```


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

```
.border{ border-color:rgb(0, 255, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.3602, 72.1601, 20.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 84) }
```

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

```
.background{ background-color: rgb(0, 255,  
84) }
```

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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