

Converting Colors

XYZ(40.2854, 73.5192, 27.2089)

Have a look what the booklet for
XYZ(40.2854, 73.5192, 27.2089)
contains.

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Color

**XYZ(40.2601, 73.5085,
27.1056)**

Conversions

Conversions Part 1

Format	Color
Hex	38FF6F
RGB	56, 255, 111
RGB Percent	22%, 100%, 44%
CMY	0.7804, 0.0000, 0.5647
CMYK	0.78, 0.00, 0.56, 0.00
HSL	137°, 100%, 61%
HSV	137°, 78%, 100%
XYZ	40.2601, 73.5085, 27.1056
YIQ	179.0830, -72.3800, -86.9720

Conversions

Conversions Part 2

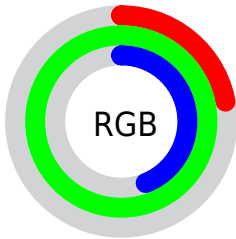
Format	Color
RYB	56, 212, 255
Decimal	3735407
CIELab	88.69, -75.74, 54.69
CIELCh	89, 93.422, 144.172
Yxy	73.5085, 0.2858, 0.5218
Android (android.graphics.Color)	4281925487 (0xFF38FF6F)
YUV	179.0830, -33.5649, -107.9438
Hunter-Lab	85.7371, -66.2206, 41.2716

Details

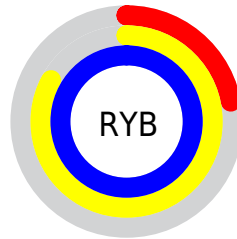
The XYZ color **40.2601, 73.5085, 27.1056** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **53.0792, 28.2584, 57.2985**, and the grayscale version is **43.0931, 45.3373, 49.3723**.

A 20% lighter version of the original color is **52.4745, 79.3415, 48.6251**, and **20.7048, 40.2279, 10.5444** is the 20% darker color. If you saturate the color by 10%, you get **38.2662, 72.5860, 22.2460**, and if you desaturate by 10%, it is **43.1893, 74.8887, 33.1068**.

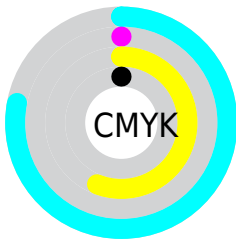
Distribution



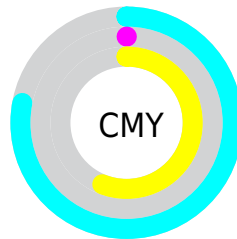
- Red (22%)
- Green (100%)
- Blue (44%)



- Red (22%)
- Yellow (83%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (78%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2601, 73.5085, 27.1056 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 40.2601, 73.5085, 27.1056 by changing the saturation by 10% instead.


 40.2601, 73.5085,
27.1056


 40.2601, 73.5085,
27.1056


338.3343,
472.7753, 301.9444


 27.9265, 54.3919,
17.4194


 74.8412, 124.1988,
56.0591


 18.4104, 38.9150,
10.3689


 97.8195, 156.5413,
76.1634

 11.3465, 26.6936,
5.5354


 125.0767,
194.0612, 100.5776

 6.3694, 17.3433,
2.5005

 156.9782,
237.1428, 129.7201

 3.1138, 10.4795,
0.8404

193.8894,
286.1707, 164.0095

 1.2142, 5.7180,
0.0000

236.1755,

 0.1175, 2.6744,

341.5291, 203.8643

0.0000

284.2021,
403.6025, 249.7031

■ 0.0000, 0.9642,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2601, 73.5085,
27.1056

■ 40.2601, 73.5085,
27.1056

■ 38.2662, 72.5860,
22.2460

■ 43.1893, 74.8887,
33.1068

■ 37.0620, 72.0480,
18.4496

■ 47.1615, 76.7811,
40.3133

■ 36.8808, 71.9683,
17.8219

■ 52.2702, 79.2324,
48.7881

■ 58.5978, 82.2840,
58.5886

■ 66.2187, 85.9732,
69.7690

■ 75.2014, 90.3341,
82.3799

■ 85.6094, 95.3985,
96.4698

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.5628, 73.5085, 11.7685



40.2601, 73.5085, 27.1056



34.9788, 73.5085, 68.0697

Triad

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



40.2601, 73.5085, 27.1056



65.5530, 73.5085, 278.2577



117.4052, 73.5085, 39.1733

Complementary

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



40.2601, 73.5085, 27.1056



53.0792, 28.2584, 57.2985

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.



122.5388, 73.5085, 93.3334



40.2601, 73.5085, 27.1056



89.1850, 73.5085, 255.3833

Square

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



40.2601, 73.5085, 27.1056



47.4205, 73.5085, 228.9957



111.2862, 73.5085, 177.0505



98.4713, 73.5085, 15.6460

Rectangle

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



40.2601, 73.5085, 27.1056



35.6746, 73.5085, 114.4829



111.2862, 73.5085, 177.0505



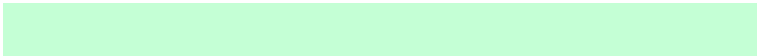
120.9513, 73.5085, 53.3046

Sweetspot

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



40.2604, 73.5086, 27.1068



70.5707, 88.0846, 75.9415



60.8130, 84.3528, 16.8181



14.4296, 18.5260, 15.2994



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.



40.2604, 73.5086, 27.1068



37.4680, 72.2265, 19.8601



48.8460, 76.9428, 72.3178



17.9778, 20.2507, 20.1863



19.3248, 37.6265, 9.5956



1.9254, 3.6811, 1.1652

Inverse Universe

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



53.0792, 28.2584, 57.2985



50.5730, 25.2733, 50.2130



45.0741, 25.0564, 15.1442



18.5659, 18.2097, 21.5971



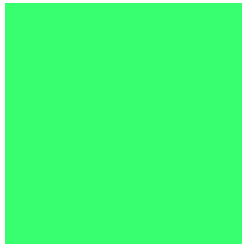
26.1644, 12.9551, 25.3141



2.5938, 1.2799, 2.7085

Previews

White Background



This preview shows how the XYZ color 40.2601, 73.5085, 27.1056 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 40.2601, 73.5085, 27.1056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

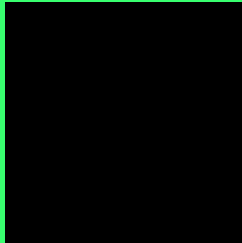
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2601, 73.5085, 27.1056

Background



This preview shows how black text looks on a background with the XYZ color 40.2601, 73.5085, 27.1056.

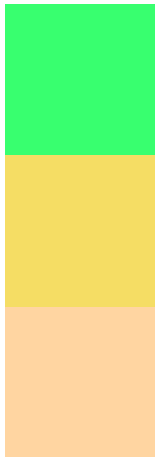


This preview shows how white text looks on a background with the XYZ color 40.2601, 73.5085,

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

40.2601, 73.5085, 27.1056

Protanopia

65.8129, 72.0455, 22.4940

Deuteranopia

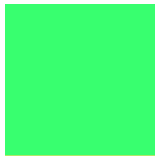
71.4673, 71.4217, 43.7373



Tritanopia

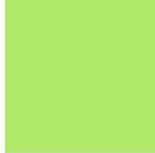
57.8305, 73.1149, 105.6723

Trichromacy



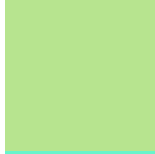
Original Color

40.2601, 73.5085, 27.1056



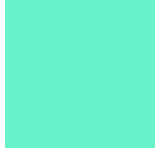
Protanomaly

49.5421, 68.5074, 23.7088



Deuteranomaly

52.2298, 67.5373, 36.2698



Tritanomaly

48.7237, 71.8967, 67.8094

Monochromacy



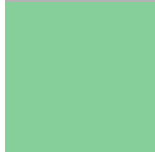
Original Color

40.2601, 73.5085, 27.1056



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

37.9771, 52.0271, 38.6125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2601, 73.5085, 27.1056 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(56, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 111)  
}
```

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(56, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 111) }
```

Border

The CSS property to change the border of an element to XYZ 40.2601, 73.5085, 27.1056 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(56, 255, 111) }
```


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

```
.border{ border-color:rgb(56, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2601, 73.5085, 27.1056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 111) }
```

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

```
.background{ background-color: rgb(56, 255,  
111) }
```

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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