

Converting Colors

XYZ(44.1938, 75.1173, 46.2222)

Have a look what the booklet for
XYZ(44.1938, 75.1173, 46.2222)
contains.

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Color

**XYZ(44.2061, 75.1207,
46.3523)**

Conversions

Conversions Part 1

Format	Color
Hex	3DFFA2
RGB	61, 255, 162
RGB Percent	24%, 100%, 64%
CMY	0.7608, 0.0000, 0.3647
CMYK	0.76, 0.00, 0.36, 0.00
HSL	151°, 100%, 62%
HSV	151°, 76%, 100%
XYZ	44.2061, 75.1207, 46.3523
YIQ	186.3920, -85.7710, -70.0510

Conversions

Conversions Part 2

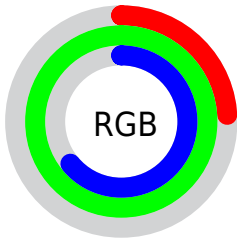
Format	Color
RYB	61, 189, 255
Decimal	4063138
CIELab	89.45, -67.13, 31.36
CIELCh	89, 74.093, 154.963
Yxy	75.1207, 0.2668, 0.4534
Android (android.graphics.Color)	4282253218 (0xFF3DFFA2)
YUV	186.3920, -12.0253, -109.9688
Hunter-Lab	86.6722, -60.6346, 28.9622

Details

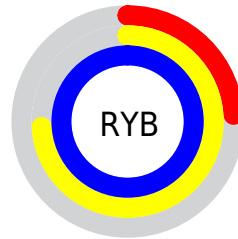
The XYZ color **44.2061, 75.1207, 46.3523** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **48.7421, 26.9314, 33.2028**, and the grayscale version is **46.9926, 49.4399, 53.8401**.

A 20% lighter version of the original color is **58.2761, 81.6807, 78.3401**, and **22.7266, 41.0366, 21.1910** is the 20% darker color. If you saturate the color by 10%, you get **41.9576, 74.0811, 40.8484**, and if you desaturate by 10%, it is **47.3067, 76.5874, 52.4501**.

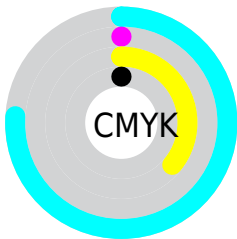
Distribution



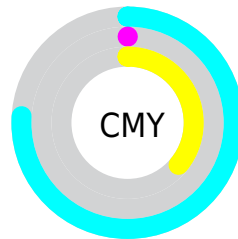
- Red (24%)
- Green (100%)
- Blue (64%)



- Red (24%)
- Yellow (74%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.2061, 75.1207, 46.3523 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 44.2061, 75.1207, 46.3523 by changing the saturation by 10% instead.


 44.2061, 75.1207,
46.3523


 44.2061, 75.1207,
46.3523

354.3867,
478.3323, 388.5419


 31.0312, 55.7118,
32.1732


 80.7722, 126.4832,
86.0858


 20.7745, 39.9719,
21.2279


 104.8941,
159.2056, 112.4774

 13.0708, 27.5166,
13.0979

 133.3957,
197.1345, 143.7769

 7.5547, 17.9616,
7.3644

 166.6424,
240.6545, 180.4028

 3.8607, 10.9224,
3.6092

204.9994,
290.1499, 222.7737

 1.6236, 6.0147,
1.4135

248.8323,

 0.4077, 2.8540,

346.0051, 271.3082

0.1522

298.5062,
408.6044, 326.4247

■ 0.0000, 1.0560,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.2061, 75.1207,
46.3523

■ 44.2061, 75.1207,
46.3523

■ 41.9576, 74.0811,
40.8484

■ 47.3067, 76.5874,
52.4501

■ 40.4405, 73.4067,
35.9134

■ 51.3539, 78.5296,
59.1574

■ 39.9769, 73.2068,
34.1258

■ 56.4309, 80.9897,
66.4939

■ 62.6109, 84.0054,
74.4769

■ 69.9601, 87.6102,
83.1230

■ 78.5393, 91.8355,
92.4480

■ 88.4049, 96.7098,
102.4672

■ 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.



53.2016, 75.1207, 24.1644



44.2061, 75.1207, 46.3523



41.9570, 75.1207, 90.7535

Triad

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



44.2061, 75.1207, 46.3523



74.4635, 75.1207, 227.3425



104.0087, 75.1207, 36.8295

Complementary

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



44.2061, 75.1207, 46.3523



48.7421, 26.9314, 33.2028

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.



112.1417, 75.1207, 73.4439



44.2061, 75.1207, 46.3523



93.3366, 75.1207, 194.1647

Square

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



44.2061, 75.1207, 46.3523



57.6188, 75.1207, 209.9701



107.9390, 75.1207, 131.8332



87.2201, 75.1207, 20.5265

Rectangle

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



44.2061, 75.1207, 46.3523



44.1922, 75.1207, 131.6721



107.9390, 75.1207, 131.8332



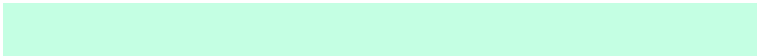
107.9641, 75.1207, 46.4326

Sweetspot

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



44.2067, 75.1210, 46.3536



72.4652, 88.8424, 85.9182



50.0760, 78.8028, 16.9870



14.8833, 18.7075, 17.6887



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.



44.2067, 75.1210, 46.3536



41.1278, 73.7078, 38.3485



54.7121, 77.6867, 106.7192



18.1665, 20.3261, 21.1800



20.9648, 38.2825, 18.2315



2.0965, 3.7495, 2.0660

Inverse Universe

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



48.7421, 26.9314, 33.2028



45.8618, 23.5974, 24.7617



43.9294, 25.2909, 6.9821



18.3721, 18.1321, 20.5764



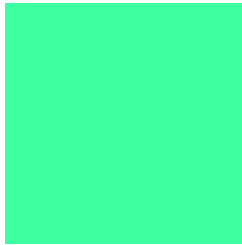
23.4667, 11.8760, 11.1080



2.3397, 1.1783, 1.3703

Previews

White Background



This preview shows how the XYZ color 44.2061, 75.1207, 46.3523 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 44.2061, 75.1207, 46.3523 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 44.2061, 75.1207, 46.3523

Background



This preview shows how black text looks on a background with the XYZ color 44.2061, 75.1207, 46.3523.

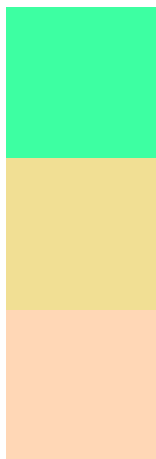


This preview shows how white text looks on a background with the XYZ color 44.2061, 75.1207,

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

44.2061, 75.1207, 46.3523

Protanopia

68.0086, 73.6142, 38.6415

Deuteranopia

73.9839, 73.2383, 54.4930



Tritanopia

59.7317, 74.5285, 105.8450

Trichromacy



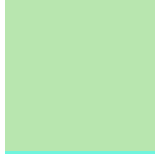
Original Color

44.2061, 75.1207, 46.3523



Protanomaly

53.3626, 70.9467, 41.0186



Deuteranomaly

55.8018, 69.8791, 51.1044



Tritanomaly

52.2591, 73.9048, 79.9173

Monochromacy



Original Color

44.2061, 75.1207, 46.3523



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.2146, 55.4256, 50.0682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2061, 75.1207, 46.3523 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(61, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 162)  
}
```

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(61, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 44.2061, 75.1207, 46.3523 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(61, 255, 162) }
```


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

```
.border{ border-color:rgb(61, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2061, 75.1207, 46.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 162) }
```

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

```
.background{ background-color: rgb(61, 255,  
162) }
```

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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