

Converting Colors

XYZ(61.8446, 84.9671, 13.1407)

Have a look what the booklet for
XYZ(61.8446, 84.9671, 13.1407)
contains.

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Color

**XYZ(61.7724, 84.9299,
13.1374)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FF00
RGB	208, 255, 0
RGB Percent	82%, 100%, 0%
CMY	0.1843, 0.0000, 0.9998
CMYK	0.18, 0.00, 1.00, 0.00
HSL	71°, 100%, 50%
HSV	71°, 100%, 100%
XYZ	61.7724, 84.9299, 13.1374
YIQ	211.8770, 53.8430, -89.2690

Conversions

Conversions Part 2

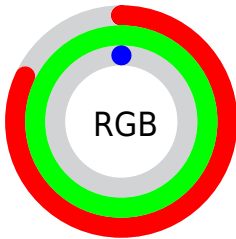
Format	Color
R _{YB}	0, 255, 47
Decimal	13696768
CIE Lab	93.85, -40.40, 90.57
CIE LCh	94, 99.177, 114.041
Yxy	84.9299, 0.3865, 0.5313
Android (android.graphics.Color)	4291886848 (0xFFD0FF00)
YUV	211.8770, -104.4554, -3.4001
Hunter-Lab	92.1574, -41.6283, 56.0582

Details

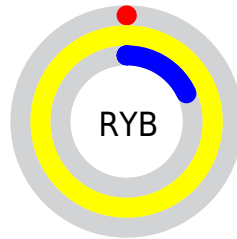
The XYZ color **61.7724, 84.9299, 13.1374** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.2247, 7.8262, 95.1051**, and the grayscale version is **63.1477, 66.4363, 72.3491**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **32.4068, 46.6841, 7.3029** is the 20% darker color. If you saturate the color by 10%, you get **61.7700, 84.9287, 13.1372**, and if you desaturate by 10%, it is **63.2950, 85.6938, 14.1552**.

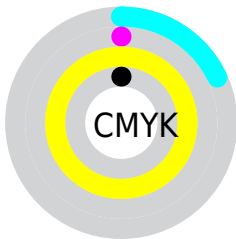
Distribution



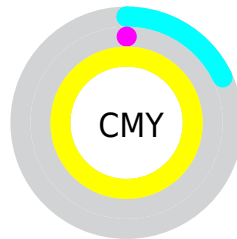
- Red (82%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (18%)



- Cyan (18%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.7724, 84.9299, 13.1374 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 61.7724, 84.9299, 13.1374 by changing the saturation by 10% instead.


 61.7724, 84.9299,
13.1374

 61.7724, 84.9299,
13.1374


420.8312,
511.3961, 223.0350


 45.1037, 63.7835,
7.3914


 106.4883,
140.2752, 32.2452

 31.7408, 46.4753,
3.6259


 135.2663,
175.2429, 46.4441


 21.3182, 32.6211,
1.4225


 168.8113,
215.5865, 64.2977

 13.4705, 21.8363,
0.1591

 207.4889,
261.6903, 86.2245

 7.8326, 13.7367,
0.0000

 251.6643,
313.9388, 112.6431

 4.0389, 7.9377,
0.0000

 301.7029,

 1.7242, 4.0551,

372.7163, 143.9720

0.0000

357.9701,
438.4073, 180.6298

■ 0.4713, 1.7045,
0.0000

■ 0.0000, 0.4265,
0.0000

■ 61.7724, 84.9299,
13.1374

■ 61.7724, 84.9299,
13.1374

■ 61.7700, 84.9287,
13.1372

■ 63.2950, 85.6938,
14.1552

■ 65.0930, 86.5726,
16.4162

■ 67.2388, 87.5950,
20.3002

■ 69.7766, 88.7789,
26.0396

■ 72.7439, 90.1393,
33.8288

■ 76.1731, 91.6891,
43.8379

■ 80.0936, 93.4402,
56.2194

■ 84.5320, 95.4033,
71.1121

■ 89.5130, 97.5881,
88.6442

Harmonies

Analogous

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



86.1047, 84.9299, 10.1757



61.7724, 84.9299, 13.1374



46.2336, 84.9299, 30.7126

Triad

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



61.7724, 84.9299, 13.1374



54.4514, 84.9299, 266.9378



142.4118, 84.9299, 108.3905

Complementary

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



61.7724, 84.9299, 13.1374



19.2247, 7.8262, 95.1051

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.



129.1346, 84.9299, 206.6935



61.7724, 84.9299, 13.1374



75.5710, 84.9299, 325.2661

Square

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



61.7724, 84.9299, 13.1374



42.6960, 84.9299, 165.1764



103.2007, 84.9299, 298.6954



136.4724, 84.9299, 45.0208

Rectangle

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



61.7724, 84.9299, 13.1374



41.1168, 84.9299, 58.0072



103.2007, 84.9299, 298.6954



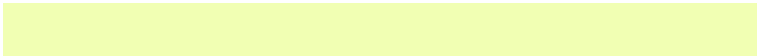
139.9717, 84.9299, 138.4422

Sweetspot

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



61.7724, 84.9299, 13.1385



80.0868, 93.4372, 56.1973



42.2481, 23.2759, 2.2672



16.7749, 19.8360, 10.8477



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.



61.7724, 84.9299, 13.1385



61.7700, 84.9287, 13.1372



39.1346, 73.2596, 12.0791



19.2136, 20.9115, 19.1680



32.3944, 44.4380, 6.8700



3.2354, 4.3687, 0.6727

Inverse Universe

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



19.2247, 7.8262, 95.1051



19.2227, 7.8245, 95.1049



35.5647, 16.2498, 95.8698



17.3153, 17.5388, 22.7227



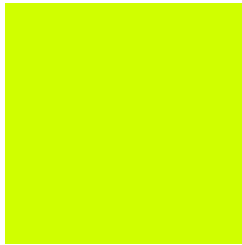
10.1334, 4.1344, 49.6985



1.0665, 0.4437, 4.8427

Previews

White Background



This preview shows how the XYZ color 61.7724, 84.9299, 13.1374 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 61.7724, 84.9299, 13.1374 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 61.7724, 84.9299, 13.1374

Background



This preview shows how black text looks on a background with the XYZ color 61.7724, 84.9299, 13.1374.



This preview shows how white text looks on a background with the XYZ color 61.7724, 84.9299,

Color Blindness Simulation

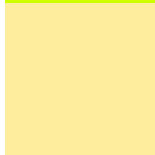
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



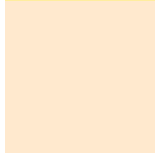
Original Color

61.7724, 84.9299, 13.1374



Protanopia

77.6957, 84.2970, 44.5237



Deuteranopia

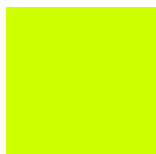
81.5195, 83.9941, 70.3085



Tritanopia

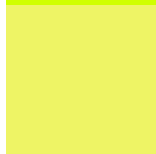
80.6473, 84.4464, 106.6570

Trichromacy



Original Color

61.7724, 84.9299, 13.1374



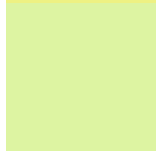
Protanomaly

69.9595, 83.8181, 24.8032



Deuteranomaly

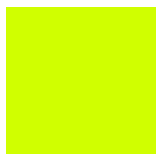
70.8119, 82.7264, 33.7083



Tritanomaly

68.6911, 82.6822, 46.5213

Monochromacy



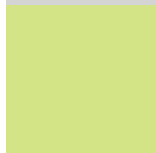
Original Color

61.7724, 84.9299, 13.1374



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.9805, 71.0850, 33.5338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7724, 84.9299, 13.1374 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(208, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 0)  
}
```

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(208, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 61.7724, 84.9299, 13.1374 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(208, 255, 0) }
```


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

```
.border{ border-color:rgb(208, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(208, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7724, 84.9299, 13.1374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 0) }
```

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

```
.background{ background-color: rgb(208,  
255, 0) }
```

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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