

Converting Colors

XYZ(61.7694, 77.0366, 20.4181)

Have a look what the booklet for
XYZ(61.7694, 77.0366, 20.4181)
contains.

XYZ(61.7694, 77.0366, 20.4181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.7694, 77.0366,
20.4181)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEE56
RGB	220, 238, 86
RGB Percent	86%, 93%, 34%
CMY	0.1373, 0.0666, 0.6627
CMYK	0.08, 0.00, 0.64, 0.07
HSL	67°, 82%, 64%
HSV	67°, 64%, 93%
XYZ	61.7694, 77.0366, 20.4181
YIQ	215.2900, 38.0640, -51.0880

Conversions

Conversions Part 2

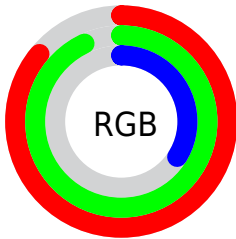
Format	Color
R_{YB}	86, 238, 104
Decimal	14478934
CIE _{Lab}	90.34, -25.26, 68.87
CIE _{LCh}	90, 73.353, 110.144
Yxy	77.0366, 0.3879, 0.4838
Android (android.graphics.Color)	4292669014 (0xFFDCEE56)
YUV	215.2900, -63.7400, 4.1307
Hunter-Lab	87.7705, -27.9771, 47.6467

Details

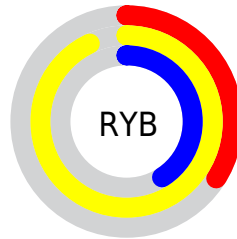
The XYZ color **61.7694, 77.0366, 20.4181** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.4720, 15.7736, 82.6484**, and the grayscale version is **65.1904, 68.5854, 74.6895**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **31.7545, 41.1878, 6.9382** is the 20% darker color. If you saturate the color by 10%, you get **60.1202, 76.2819, 16.1421**, and if you desaturate by 10%, it is **63.7558, 77.9334, 26.3788**.

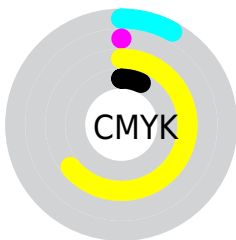
Distribution



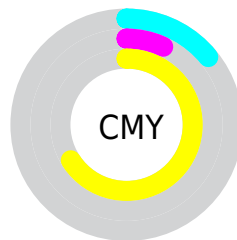
- Red (86%)
- Green (93%)
- Blue (34%)



- Red (34%)
- Yellow (93%)
- Blue (41%)



- Cyan (8%)
- Magenta (0%)
- Yellow (64%)
- Black (7%)



- Cyan (14%)
- Magenta (7%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7694, 77.0366, 20.4181 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 61.7694, 77.0366, 20.4181 by changing the saturation by 10% instead.

61.7694, 77.0366,
20.4181

61.7694, 77.0366,
20.4181

420.8204,
484.8888, 266.8483

45.1013, 57.2829,
12.5122

106.4840,
129.1911, 44.9852

31.7388, 41.2324,
6.9668

135.2612,
162.3608, 62.4835

21.3167, 28.5007,
3.3632

168.8055,
200.7712, 84.0164

13.4695, 18.7035,
1.2829

207.4822,
244.8068, 110.0024

7.8318, 11.4562,
0.0478

251.6567,
294.8520, 140.8601

4.0384, 6.3746,
0.0000

301.6943,

1.7239, 3.0742,

351.2911, 177.0079

0.0000

357.9604,
414.5086, 218.8645

■ 0.4712, 1.1706,
0.0000

■ 0.0000, 0.0375,
0.0000

■ 61.7694, 77.0366,
20.4181

■ 61.7694, 77.0366,
20.4181

■ 60.1202, 76.2819,
16.1421

■ 63.7558, 77.9334,
26.3788

■ 58.7695, 75.6456,
13.3716


■ 66.1027, 78.9732,
34.1699


■ 57.6789, 75.1149,
11.8959


■ 68.8373, 80.1698,
43.9269


■ 57.1008, 74.8265,
11.4334


■ 71.9827, 81.5325,
55.7712

 75.5603, 83.0696,
69.8143

 79.5897, 84.7892,
86.1599

 84.0894, 86.6987,
104.9051

 85.4353, 87.3483,
106.9647

 86.4135, 87.8527,
107.0105

Harmonies

Analogous

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



79.4044, 77.0366, 18.6500



61.7694, 77.0366, 20.4181



49.4143, 77.0366, 34.4887

Triad

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



61.7694, 77.0366, 20.4181



52.9240, 77.0366, 187.3341



113.6042, 77.0366, 102.3194

Complementary

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



61.7694, 77.0366, 20.4181



24.4720, 15.7736, 82.6484

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.



103.6584, 77.0366, 166.3565



61.7694, 77.0366, 20.4181



67.3672, 77.0366, 227.3098

Square

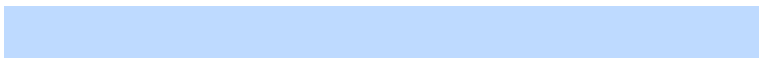
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.7694, 77.0366, 20.4181



44.9278, 77.0366, 123.5488



86.0070, 77.0366, 218.3472



111.4314, 77.0366, 53.7654

Rectangle

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



61.7694, 77.0366, 20.4181



44.8841, 77.0366, 54.1207



86.0070, 77.0366, 218.3472



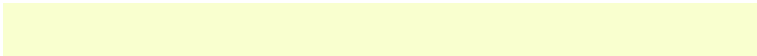
111.5116, 77.0366, 122.9325

Sweetspot

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



61.7712, 77.0401, 20.4197



86.1273, 96.1906, 72.7707



41.8659, 28.6982, 12.1379



18.1829, 20.4804, 14.5934



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.



61.7712, 77.0401, 20.4197



69.7345, 88.9444, 17.5828



43.8054, 67.7784, 19.5789



16.9278, 18.3585, 16.8011



31.9273, 41.7807, 6.3817



2.7077, 3.5024, 0.5333

Inverse Universe

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



24.4720, 15.7736, 82.6484



23.0679, 12.1019, 95.7278



37.5234, 22.5018, 83.2592



15.0712, 15.3184, 19.8840



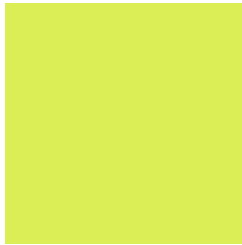
8.9352, 3.6117, 45.3541



0.7994, 0.3294, 3.7757

Previews

White Background



This preview shows how the XYZ color 61.7694, 77.0366, 20.4181 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 61.7694, 77.0366, 20.4181 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 61.7694, 77.0366, 20.4181

Background



This preview shows how black text looks on a background with the XYZ color 61.7694, 77.0366, 20.4181.



This preview shows how white text looks on a background with the XYZ color 61.7694, 77.0366,

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

61.7694, 77.0366, 20.4181

Protanopia

69.5384, 76.4454, 19.2740

Deuteranopia

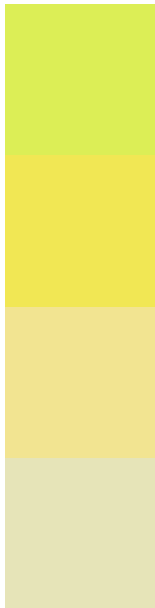
75.4980, 76.7572, 53.4843



Tritanopia

76.7079, 76.8995, 93.2382

Trichromacy



Original Color

61.7694, 77.0366, 20.4181

Protanomaly

66.4518, 76.4927, 19.6497

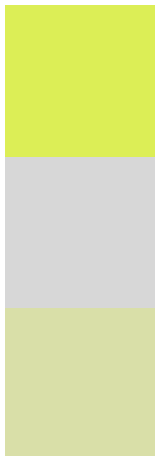
Deuteranomaly

69.4722, 76.4084, 37.8748

Tritanomaly

69.0283, 75.7705, 56.3344

Monochromacy



Original Color

61.7694, 77.0366, 20.4181

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

62.0708, 70.3542, 47.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7694, 77.0366, 20.4181 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(220, 238, 86)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 86)  
}
```

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(220, 238, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 86) }
```

Border

The CSS property to change the border of an element to XYZ 61.7694, 77.0366, 20.4181 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(220, 238, 86) }
```


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

```
.border{ border-color:rgb(220, 238, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 86);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7694, 77.0366, 20.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 86) }
```

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

```
.background{ background-color: rgb(220,  
238, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor