

Converting Colors

XYZ(63.8190, 77.7890, 29.2243)

Have a look what the booklet for
XYZ(63.8190, 77.7890, 29.2243)
contains.

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Color

**XYZ(63.7231, 77.8531,
29.1214)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEE77
RGB	221, 238, 119
RGB Percent	87%, 93%, 47%
CMY	0.1333, 0.0666, 0.5333
CMYK	0.07, 0.00, 0.50, 0.07
HSL	69°, 78%, 70%
HSV	69°, 50%, 93%
XYZ	63.7231, 77.8531, 29.1214
YIQ	219.3510, 28.0670, -40.6130

Conversions

Conversions Part 2

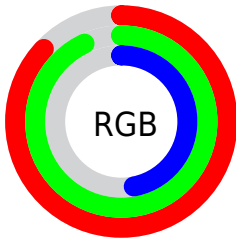
Format	Color
RYB	119, 238, 136
Decimal	14544503
CIELab	90.71, -22.36, 55.13
CIELCh	91, 59.490, 112.074
Yxy	77.8531, 0.3733, 0.4561
Android (android.graphics.Color)	4292734583 (0xFFDDEE77)
YUV	219.3510, -49.4730, 1.4462
Hunter-Lab	88.2344, -25.4971, 42.1957

Details

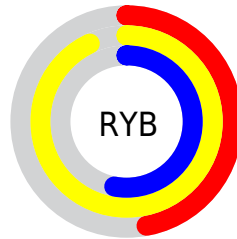
The XYZ color **63.7231, 77.8531, 29.1214** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.1856, 24.6029, 83.9459**, and the grayscale version is **67.8968, 71.4328, 77.7903**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **33.0212, 41.7418, 11.4708** is the 20% darker color. If you saturate the color by 10%, you get **61.4446, 76.8260, 22.4653**, and if you desaturate by 10%, it is **66.3843, 79.0412, 37.6665**.

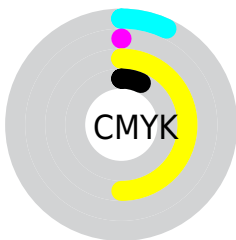
Distribution



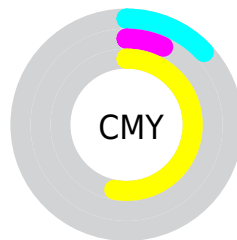
- Red (87%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (53%)



- Cyan (7%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7231, 77.8531, 29.1214 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 63.7231, 77.8531, 29.1214 by changing the saturation by 10% instead.

63.7231, 77.8531,
29.1214

63.7231, 77.8531,
29.1214

427.8071,
487.6678, 311.8662

46.6873, 57.9533,
18.9263

109.2880,
130.3430, 59.3144

32.9954, 41.7711,
11.4408

138.5478,
163.7019, 80.1494

22.2822, 28.9221,
6.2462

172.6130,
202.3160, 105.3681

14.1821, 19.0219,
2.9242

211.8490,
246.5697, 135.3890

8.3300, 11.6861,
1.0561

256.6210,
296.8473, 170.6308

4.3604, 6.5303,
0.0000

307.2944,

1.9080, 3.1701,

353.5332, 211.5118

0.0000

364.2347,
417.0119, 258.4508

0.5815, 1.2212,
0.0000

0.0000, 0.0789,
0.0000

63.7231, 77.8531,
29.1214

63.7231, 77.8531,
29.1214

61.4446, 76.8260,
22.4653

66.3843, 79.0412,
37.6665

59.5157, 75.9385,
17.5499


69.4470, 80.3896,
48.2244

57.9072, 75.1814,
14.2128


72.9356, 81.9108,
60.9140


56.5817, 74.5400,
12.2588


76.8708, 83.6130,
75.8437


 55.4763, 73.9890,
11.3574

 81.2717, 85.5041,
93.1144

 55.4763, 73.9890,
11.3574

 85.0411, 87.1450,
106.9463

 86.2157, 87.7506,
107.0012

 87.4121, 88.3673,
107.0572

 88.6304, 88.9954,
107.1142

Harmonies

Analogous

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



78.0269, 77.8531, 26.6251



63.7231, 77.8531, 29.1214



53.5815, 77.8531, 43.6080

Triad

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



63.7231, 77.8531, 29.1214



57.7158, 77.8531, 167.5787



106.2320, 77.8531, 96.6197

Complementary

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



63.7231, 77.8531, 29.1214



32.1856, 24.6029, 83.9459

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.



99.0336, 77.8531, 146.0173



63.7231, 77.8531, 29.1214



70.1083, 77.8531, 195.0747

Square

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



63.7231, 77.8531, 29.1214



50.4521, 77.8531, 119.5772



85.3199, 77.8531, 186.0795



103.9197, 77.8531, 57.4702

Rectangle

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



63.7231, 77.8531, 29.1214



49.9034, 77.8531, 61.8961



85.3199, 77.8531, 186.0795



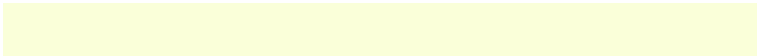
104.8137, 77.8531, 112.6786

Sweetspot

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



63.7250, 77.8566, 29.1230



87.5094, 96.7547, 79.5386



47.2378, 36.8020, 22.0677



18.5249, 20.6204, 16.2474



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.



63.7250, 77.8566, 29.1230



71.8068, 89.8258, 26.1239



48.9364, 70.2328, 28.4309



16.8879, 18.3379, 16.7992



31.0330, 41.3196, 6.3399



2.6419, 3.4684, 0.5302

Inverse Universe

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



32.1856, 24.6029, 83.9459



31.0940, 20.9977, 97.0219



44.3744, 30.8865, 84.5164



15.1074, 15.3371, 19.8857



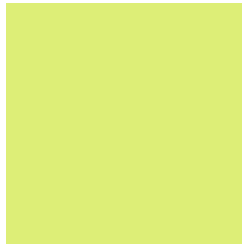
9.0419, 3.6667, 45.3591



0.8166, 0.3382, 3.7765

Previews

White Background



This preview shows how the XYZ color 63.7231, 77.8531, 29.1214 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 63.7231, 77.8531, 29.1214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

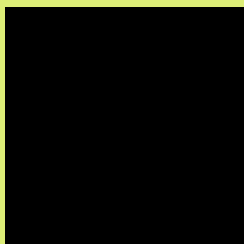
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7231, 77.8531, 29.1214

Background



This preview shows how black text looks on a background with the XYZ color 63.7231, 77.8531, 29.1214.



This preview shows how white text looks on a background with the XYZ color 63.7231, 77.8531,

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

63.7231, 77.8531, 29.1214

Protanopia

71.0407, 77.4432, 27.7268

Deuteranopia

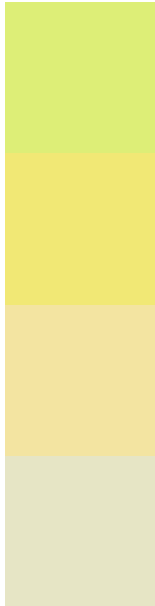
76.3846, 77.5381, 56.8394



Tritanopia

76.9436, 77.3843, 94.8857

Trichromacy



Original Color

63.7231, 77.8531, 29.1214

Protanomaly

68.3431, 77.6984, 28.2248

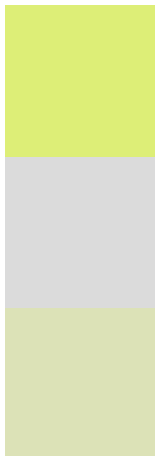
Deuteranomaly

71.1386, 77.1147, 44.8534

Tritanomaly

70.7305, 76.8928, 63.9372

Monochromacy



Original Color

63.7231, 77.8531, 29.1214

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.2588, 73.0273, 55.4559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7231, 77.8531, 29.1214 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(221, 238, 119)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 119)  
}
```

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(221, 238, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 119) }
```

Border

The CSS property to change the border of an element to XYZ 63.7231, 77.8531, 29.1214 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(221, 238, 119) }
```


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

```
.border{ border-color:rgb(221, 238, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 119);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7231, 77.8531, 29.1214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 119) }
```

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

```
.background{ background-color: rgb(221,  
238, 119) }
```

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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