

Converting Colors

XYZ(63.2957, 77.1576, 11.5571)

Have a look what the booklet for
XYZ(63.2957, 77.1576, 11.5571)
contains.

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Color

**XYZ(63.2742, 77.1467,
11.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EC00
RGB	232, 236, 0
RGB Percent	91%, 93%, 0%
CMY	0.0902, 0.0745, 0.9999
CMYK	0.02, 0.00, 1.00, 0.07
HSL	61°, 100%, 46%
HSV	61°, 100%, 93%
XYZ	63.2742, 77.1467, 11.5559
YIQ	207.9000, 73.3720, -74.2440

Conversions

Conversions Part 2

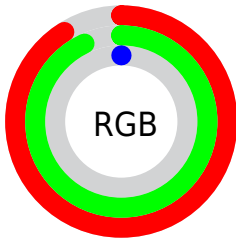
Format	Color
RYB	0, 236, 4
Decimal	15264768
CIELab	90.39, -21.99, 88.74
CIELCh	90, 91.422, 103.919
Yxy	77.1467, 0.4163, 0.5076
Android (android.graphics.Color)	4293454848 (0xFFE8EC00)
YUV	207.9000, -102.4947, 21.1357
Hunter-Lab	87.8332, -25.1184, 53.6827

Details

The XYZ color **63.2742, 77.1467, 11.5559** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **15.1922, 6.0833, 79.7352**, and the grayscale version is **60.5040, 63.6549, 69.3202**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **33.3345, 41.4132, 6.2366** is the 20% darker color. If you saturate the color by 10%, you get **63.2756, 77.1501, 11.5565**, and if you desaturate by 10%, it is **63.5671, 77.2818, 12.4109**.

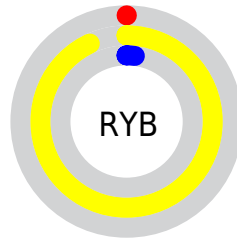
Distribution



Red (91%)

Green (93%)

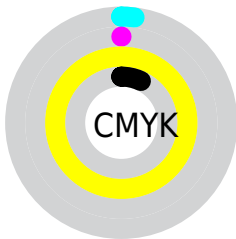
Blue (0%)



Red (0%)

Yellow (93%)

Blue (2%)

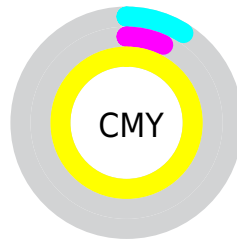


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (9%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2742, 77.1467, 11.5559 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 63.2742, 77.1467, 11.5559 by changing the saturation by 10% instead.


 63.2742, 77.1467,
11.5559

 63.2742, 77.1467,
11.5559


426.2078,
485.2641, 212.3151


 46.3226, 57.3733,
6.3232


 108.6446,
129.3465, 29.3358

 32.7061, 41.3050,
2.9706


 137.7940,
162.5418, 42.7202


 22.0596, 28.5575,
1.0797


 171.7402,
200.9797, 59.6588

 14.0175, 18.7463,
0.0000

 210.8483,
245.0448, 80.5702

 8.2146, 11.4871,
0.0000

 255.4837,
295.1213, 105.8731

 4.2856, 6.3955,
0.0000

 306.0119,

 1.8649, 3.0870,

351.5938, 135.9858

0.0000

362.7981,
414.8466, 171.3270

■ 0.5563, 1.1773,
0.0000

■ 0.0000, 0.0431,
0.0000

■ 63.2742, 77.1467,
11.5559

■ 63.2742, 77.1467,
11.5559

■ 63.2756, 77.1501,
11.5565

■ 63.5671, 77.2818,
12.4109

■ 64.0544, 77.4918,
14.2957

■ 64.7995, 77.8050,
17.5362

■ 65.8386, 78.2357,
22.3236

67.2022, 78.7964,
28.8184

68.9170, 79.4975,
37.1611

71.0070, 80.3488,
47.4776

73.4939, 81.3588,
59.8828

76.3979, 82.5357,
74.4829

Harmonies

Analogous

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



86.1566, 77.1467, 11.8859



63.2742, 77.1467, 11.5559



46.9187, 77.1467, 22.1220

Triad

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



63.2742, 77.1467, 11.5559



46.0551, 77.1467, 204.7083



124.0524, 77.1467, 123.8141

Complementary

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



63.2742, 77.1467, 11.5559



15.1922, 6.0833, 79.7352

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.



108.1457, 77.1467, 210.8378



63.2742, 77.1467, 11.5559



61.8363, 77.1467, 271.7045

Square

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



63.2742, 77.1467, 11.5559



38.4641, 77.1467, 117.9788



84.3888, 77.1467, 274.3964



124.6615, 77.1467, 57.2648

Rectangle

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



63.2742, 77.1467, 11.5559



40.5683, 77.1467, 39.9971



84.3888, 77.1467, 274.3964



120.1892, 77.1467, 152.2011

Sweetspot

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



63.2759, 77.1503, 11.5575



84.6099, 95.7689, 56.4090



34.6374, 17.9201, 1.6343



17.8728, 20.4019, 10.8990



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.



63.2759, 77.1503, 11.5575



75.4248, 91.9680, 13.7763



36.9482, 63.5779, 10.3254



16.3252, 17.6132, 16.0580



34.8886, 42.5302, 6.3703



2.7477, 3.3438, 0.5006

Inverse Universe

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



15.1922, 6.0833, 79.7352



18.1042, 7.2479, 95.0525



23.1610, 10.1914, 80.1081



14.2549, 14.5611, 18.9815



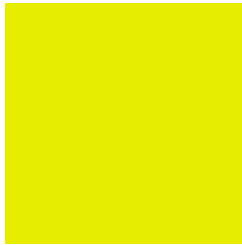
8.3841, 3.3581, 43.9492



0.6667, 0.2680, 3.4515

Previews

White Background



This preview shows how the XYZ color 63.2742, 77.1467, 11.5559 looks on a white background.

Color Contrast Check

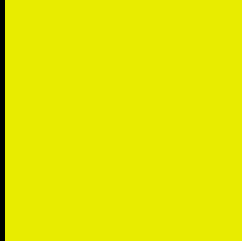
Large Text (above 18pt) WCAG AA × Fail

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 63.2742, 77.1467, 11.5559 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 63.2742, 77.1467, 11.5559

Background



This preview shows how black text looks on a background with the XYZ color 63.2742, 77.1467, 11.5559.



This preview shows how white text looks on a background with the XYZ color 63.2742, 77.1467,

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

63.2742, 77.1467, 11.5559

Protanopia

69.7728, 77.0626, 15.3348

Deuteranopia

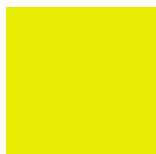
75.2971, 76.6769, 52.4265



Tritanopia

79.3290, 76.7339, 90.7508

Trichromacy



Original Color

63.2742, 77.1467, 11.5559



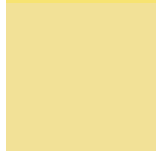
Protanomaly

67.2835, 77.0659, 13.1627



Deuteranomaly

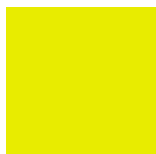
68.8075, 75.9046, 26.6473



Tritanomaly

69.1291, 74.9620, 40.1038

Monochromacy



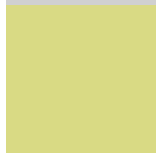
Original Color

63.2742, 77.1467, 11.5559



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.8515, 66.5605, 31.6281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2742, 77.1467, 11.5559 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(232, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 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(232, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.2742, 77.1467, 11.5559 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(232, 236, 0) }
```


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

```
.border{ border-color:rgb(232, 236, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 236, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2742, 77.1467, 11.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 0) }
```

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

```
.background{ background-color: rgb(232,  
236, 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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