

Converting Colors

XYZ(68.7624, 77.6411, 6.3491)

Have a look what the booklet for
XYZ(68.7624, 77.6411, 6.3491)
contains.

XYZ(69.5368, 77.8536, 11.3623)	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(69.5368, 77.8536,
11.3623)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE600
RGB	255, 230, 0
RGB Percent	100%, 90%, 0%
CMY	0.0000, 0.0980, 0.9999
CMYK	0.00, 0.10, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	69.5368, 77.8536, 11.3623
YIQ	211.2550, 88.7300, -66.2300

Conversions

Conversions Part 2

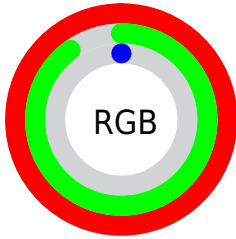
Format	Color
R _Y B	28, 255, 0
Decimal	16770560
CIE Lab	90.71, -9.43, 89.83
CIE LCh	91, 90.322, 95.996
Yxy	77.8536, 0.4380, 0.4904
Android (android.graphics.Color)	4294960640 (0xFFFFE600)
YUV	211.2550, -104.1487, 38.3644
Hunter-Lab	88.2347, -13.7368, 54.1293

Details

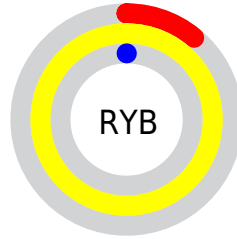
The XYZ color **69.5368, 77.8536, 11.3623** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.3984, 7.9165, 95.1653**, and the grayscale version is **62.7164, 65.9826, 71.8550**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **37.3223, 41.9974, 6.1392** is the 20% darker color. If you saturate the color by 10%, you get **69.5375, 77.8554, 11.3626**, and if you desaturate by 10%, it is **70.4203, 79.3311, 12.5510**.

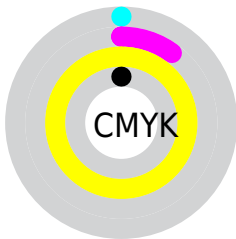
Distribution



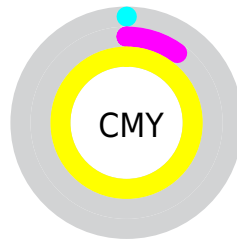
- Red (100%)
- Green (90%)
- Blue (0%)



- Red (11%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5368, 77.8536, 11.3623 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 69.5368, 77.8536, 11.3623 by changing the saturation by 10% instead.


 69.5368, 77.8536,
11.3623

 69.5368, 77.8536,
11.3623


448.2138,
487.6695, 210.9624


 51.4272, 57.9537,
6.1938


 117.5778,
130.3437, 28.9750

 36.7712, 41.7714,
2.8926


 148.2400,
163.7028, 42.2564


 25.2032, 28.9224,
1.0401


 183.8171,
202.3170, 59.0791

 16.3581, 19.0221,
0.0000

 224.6745,
246.5708, 79.8618

 9.8703, 11.6863,
0.0000

 271.1775,
296.8485, 105.0229

 5.3747, 6.5304,
0.0000

 323.6915,

 2.5057, 3.1702,

353.5346, 134.9810

0.0000

382.5818,
417.0135, 170.1547

■ 0.8981, 1.2212,
0.0000

■ 0.0000, 0.0789,
0.0000

■ 69.5368, 77.8536,
11.3623

■ 69.5368, 77.8536,
11.3623

■ 69.5375, 77.8554,
11.3626

■ 70.4203, 79.3311,
12.5510

■ 71.5480, 80.9192,
14.9838

■ 72.9935, 82.6506,
19.0411

■ 74.8011, 84.5429,
24.9550

■ 77.0078, 86.6111,
32.9202

■ 79.6458, 88.8681,
43.1067

■ 82.7442, 91.3256,
55.6670

■ 86.3293, 93.9943,
70.7400

■ 90.4255, 96.8838,
88.4538

Harmonies

Analogous

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



93.1850, 77.8536, 14.2224



69.5368, 77.8536, 11.3623



51.2205, 77.8536, 18.5697

Triad

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



69.5368, 77.8536, 11.3623



44.0356, 77.8536, 181.3494



121.3898, 77.8536, 146.3734

Complementary

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



69.5368, 77.8536, 11.3623



18.3984, 7.9165, 95.1653

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.



102.6881, 77.8536, 231.2037



69.5368, 77.8536, 11.3623



57.6431, 77.8536, 257.6065

Square

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



69.5368, 77.8536, 11.3623



38.5596, 77.8536, 98.4903



78.6450, 77.8536, 279.4138



126.3684, 77.8536, 72.3858

Rectangle

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



69.5368, 77.8536, 11.3623



43.4236, 77.8536, 32.3646



78.6450, 77.8536, 279.4138



116.3369, 77.8536, 175.5110

Sweetspot

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



69.5386, 77.8573, 11.3639



82.7405, 91.3230, 55.6494



41.4213, 21.3330, 2.8845



17.4179, 19.3198, 10.7141



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.



69.5386, 77.8573, 11.3639



69.5380, 77.8561, 11.3627



48.8992, 78.2930, 12.5358



19.4001, 20.7684, 19.1305



36.3973, 40.8058, 5.9580



3.5862, 4.0577, 0.5942

Inverse Universe

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



18.3984, 7.9165, 95.1653



18.3975, 7.9151, 95.1658



23.5319, 10.0466, 95.3059



17.1462, 17.6640, 22.7557



9.6601, 4.2298, 49.7419



0.9861, 0.5030, 4.8584

Previews

White Background



This preview shows how the XYZ color 69.5368, 77.8536, 11.3623 looks on a white background.

Color Contrast Check

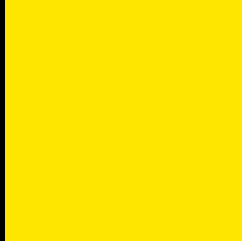
Large Text (above 18pt) WCAG AA × Fail

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 69.5368, 77.8536, 11.3623 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 69.5368, 77.8536, 11.3623

Background



This preview shows how black text looks on a background with the XYZ color 69.5368, 77.8536, 11.3623.



This preview shows how white text looks on a background with the XYZ color 69.5368, 77.8536,

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

69.5368, 77.8536, 11.3623

Protanopia

70.7073, 77.8778, 18.8947

Deuteranopia

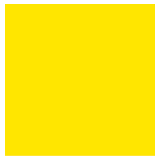
76.2361, 77.9075, 54.7356



Tritanopia

80.8544, 77.6362, 85.5867

Trichromacy



Original Color

69.5368, 77.8536, 11.3623



Protanomaly

69.8569, 77.5376, 14.4164



Deuteranomaly

71.5309, 76.8905, 27.2909



Tritanomaly

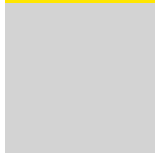
72.8160, 76.1107, 38.0471

Monochromacy



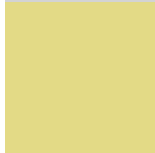
Original Color

69.5368, 77.8536, 11.3623



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

61.0530, 68.1949, 32.4994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5368, 77.8536, 11.3623 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(255, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 69.5368, 77.8536, 11.3623 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(255, 230, 0) }
```


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

```
.border{ border-color:rgb(255, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5368, 77.8536, 11.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 0) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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