

Converting Colors

XYZ(70.0729, 77.6222, 15.5600)

Have a look what the booklet for
XYZ(70.0729, 77.6222, 15.5600)
contains.

XYZ(70.0749, 77.6249, 15.5647)	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(70.0749, 77.6249,
15.5647)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE53C
RGB	255, 229, 60
RGB Percent	100%, 90%, 24%
CMY	0.0000, 0.1019, 0.7647
CMYK	0.00, 0.10, 0.76, 0.00
HSL	52°, 100%, 62%
HSV	52°, 76%, 100%
XYZ	70.0749, 77.6249, 15.5647
YIQ	217.5080, 69.7450, -47.0470

Conversions

Conversions Part 2

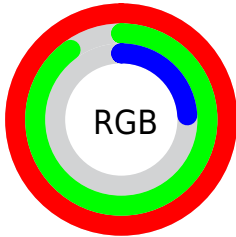
Format	Color
R _Y B	90, 255, 60
Decimal	16770364
CIE Lab	90.61, -7.82, 79.23
CIE LCh	91, 79.619, 95.640
Yxy	77.6249, 0.4292, 0.4755
Android (android.graphics.Color)	4294960444 (0xFFFFE53C)
YUV	217.5080, -77.6514, 32.8805
Hunter-Lab	88.1050, -12.2126, 51.1993

Details

The XYZ color **70.0749, 77.6249, 15.5647** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **23.2414, 14.8362, 96.2457**, and the grayscale version is **66.7877, 70.2659, 76.5195**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **37.3842, 41.7414, 6.0865** is the 20% darker color. If you saturate the color by 10%, you get **68.6256, 75.5579, 12.5192**, and if you desaturate by 10%, it is **71.8706, 79.8659, 20.3279**.

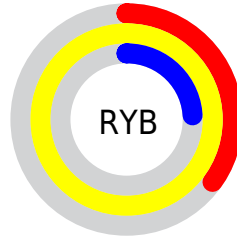
Distribution



Red (100%)

Green (90%)

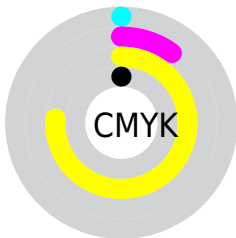
Blue (24%)



Red (35%)

Yellow (100%)

Blue (24%)

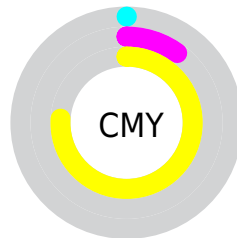


Cyan (0%)

Magenta (10%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0749, 77.6249, 15.5647 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 70.0749, 77.6249, 15.5647 by changing the saturation by 10% instead.

70.0749, 77.6249,
15.5647

70.0749, 77.6249,
15.5647

450.0753,
486.8920, 238.5166

51.8674, 57.7659,
9.0657

118.3412,
130.0212, 36.5970

37.1232, 41.6205,
4.6866

149.1308,
163.3273, 51.9674

25.4770, 28.8042,
2.0091

184.8451,
201.8846, 71.1320

16.5634, 18.9328,
0.5609

225.8495,
246.0774, 94.5093

10.0171, 11.6217,
0.0000

272.5094,
296.2901, 122.5179

5.4727, 6.4866,
0.0000

325.1901,

2.5647, 3.1432,

352.9072, 155.5762

0.0000

384.2569,
416.3131, 194.1030

■ 0.9280, 1.2069,
0.0000

■ 0.0000, 0.0674,
0.0000

■ 70.0749, 77.6249,
15.5647

■ 70.0749, 77.6249,
15.5647

■ 68.6256, 75.5579,
12.5192

■ 71.8706, 79.8659,
20.3279

■ 67.4658, 73.6331,
10.9154

■ 74.0486, 82.2864,
27.0208

■ 67.0983, 72.9770,
10.5495

■ 76.6460, 84.9045,
35.8302

■ 79.6938, 87.7327,
46.9191

■ 83.2201, 90.7824,
60.4349

■ 87.2506, 94.0640,
76.5124

■ 91.8091, 97.5873,
95.2765

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



90.7561, 77.6249, 18.7536



70.0749, 77.6249, 15.5647



53.6137, 77.6249, 22.9945

Triad

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



70.0749, 77.6249, 15.5647



46.7954, 77.6249, 166.0321



114.5212, 77.6249, 138.3995

Complementary

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



70.0749, 77.6249, 15.5647



23.2414, 14.8362, 96.2457

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.



98.4589, 77.6249, 208.8916



70.0749, 77.6249, 15.5647



59.0652, 77.6249, 229.2513

Square

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



70.0749, 77.6249, 15.5647



41.8175, 77.6249, 95.7807



77.6137, 77.6249, 247.7094



118.9043, 77.6249, 74.1790

Rectangle

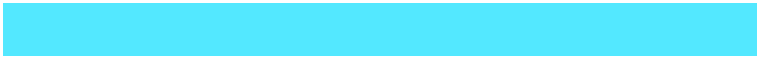
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0749, 77.6249, 15.5647



46.4336, 77.6249, 36.4509



77.6137, 77.6249, 247.7094



110.1832, 77.6249, 162.8993

Sweetspot

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



70.0767, 77.6286, 15.5663



84.5602, 91.8944, 65.7143



44.5358, 25.1642, 11.3152



17.8010, 19.4215, 12.8900



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.



70.0767, 77.6286, 15.5663



67.9525, 74.4773, 11.4747



56.2235, 81.9746, 17.1353



19.3426, 20.6533, 19.1114



35.1408, 38.2929, 5.5391



3.4763, 3.8380, 0.5576

Inverse Universe

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



23.2414, 14.8362, 96.2457



19.5601, 9.7997, 95.4683



29.1044, 15.3180, 96.0296



17.1982, 17.7680, 22.7731



9.7898, 4.4891, 49.7851



1.0105, 0.5518, 4.8665

Previews

White Background



This preview shows how the XYZ color 70.0749, 77.6249, 15.5647 looks on a white background.

Color Contrast Check

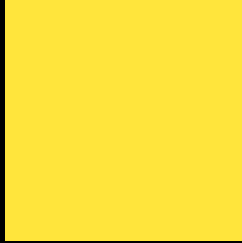
Large Text (above 18pt) WCAG AA × Fail

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 70.0749, 77.6249, 15.5647 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 70.0749, 77.6249, 15.5647

Background



This preview shows how black text looks on a background with the XYZ color 70.0749, 77.6249, 15.5647.



This preview shows how white text looks on a background with the XYZ color 70.0749, 77.6249,

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

70.0749, 77.6249, 15.5647

Protanopia

70.6345, 77.8487, 18.5112

Deuteranopia

75.9682, 77.3715, 54.6463



Tritanopia

80.7144, 77.5802, 84.8491

Trichromacy



Original Color

70.0749, 77.6249, 15.5647

Protanomaly

70.3966, 77.7536, 17.2589

Deuteranomaly

72.6806, 76.9166, 34.6826

Tritanomaly

74.6956, 76.8625, 47.9449

Monochromacy



Original Color

70.0749, 77.6249, 15.5647

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.5093, 71.8047, 44.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0749, 77.6249, 15.5647 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, 229, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 60)  
}
```

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, 229, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 60) }
```

Border

The CSS property to change the border of an element to XYZ 70.0749, 77.6249, 15.5647 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, 229, 60) }
```


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

```
.border{ border-color:rgb(255, 229, 60) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0749, 77.6249, 15.5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 60) }
```

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

```
.background{ background-color: rgb(255,  
229, 60) }
```

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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