

# Converting Colors

XYZ(66.3632, 75.9642, 23.1529)

Have a look what the booklet for  
XYZ(66.3632, 75.9642, 23.1529)  
contains.

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# Color

**XYZ(66.5322, 76.0390,  
23.2270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E664
RGB	240, 230, 100
RGB Percent	94%, 90%, 39%
CMY	0.0588, 0.0980, 0.6078
CMYK	0.00, 0.04, 0.58, 0.06
HSL	56°, 82%, 67%
HSV	56°, 58%, 94%
XYZ	66.5322, 76.0390, 23.2270
YIQ	218.1700, 47.6900, -38.3100

# Conversions

## Conversions Part 2

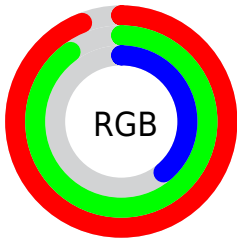
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 240, 100
Decimal	15787620
CIE Lab	89.88, -12.42, 63.05
CIE LCh	90, 64.257, 101.143
Yxy	76.0390, 0.4013, 0.4586
Android (android.graphics.Color)	4293977700 (0xFFFF0E664)
YUV	218.1700, -58.2578, 19.1449
Hunter-Lab	87.2003, -16.4085, 45.2475

# Details

The XYZ color **66.5322, 76.0390, 23.2270** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.5596, 20.1519, 84.9274**, and the grayscale version is **67.1261, 70.6218, 76.9072**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **34.8407, 40.6656, 8.3958** is the 20% darker color. If you saturate the color by 10%, you get **65.0638, 74.6954, 17.8266**, and if you desaturate by 10%, it is **68.3510, 77.5359, 30.4335**.

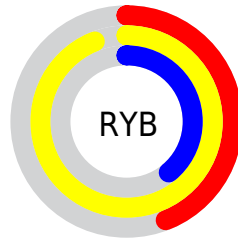
# Distribution



Red (94%)

Green (90%)

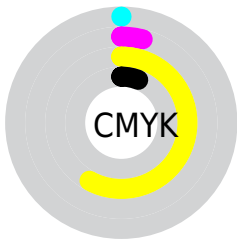
Blue (39%)



Red (44%)

Yellow (94%)

Blue (39%)

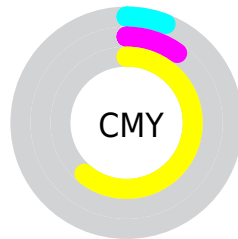


Cyan (0%)

Magenta (4%)

Yellow (58%)

Black (6%)



Cyan (6%)

Magenta (10%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5322, 76.0390, 23.2270 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 66.5322, 76.0390, 23.2270 by changing the saturation by 10% instead.





 66.5322, 76.0390,  
23.2270

 66.5322, 76.0390,  
23.2270


437.7365,  
481.4812, 282.0484

 48.9739, 56.4645,  
14.5543


 113.3033,  
127.7820, 49.6937


 34.8132, 40.5755,  
8.3641


 143.2469,  
160.7193, 68.3248

 23.6848, 27.9875,  
4.2377


 178.0495,  
198.8797, 91.1125

 15.2235, 18.3162,  
1.7566

 218.0765,  
242.6475, 118.4753

 9.0637, 11.1773,  
0.3991

263.6934,  
292.4072, 150.8318

 4.8402, 6.1862,  
0.0000

315.2655,

 2.1876, 2.9586,

348.5431, 188.6004

0.0000

373.1581,  
411.4396, 232.1998

0.7362, 1.1102,  
0.0000

0.0000, 0.0000,  
0.0000

66.5322, 76.0390,  
23.2270

66.5322, 76.0390,  
23.2270

65.0638, 74.6954,  
17.8266

68.3510, 77.5359,  
30.4335

63.9093, 73.4819,  
14.0643


70.5421, 79.1865,  
39.5851


63.0339, 72.3876,  
11.7488


73.1318, 81.0040,  
50.8125


62.3857, 71.3916,  
10.6069


76.1425, 82.9975,  
64.2337


 62.2874, 71.2301,  
10.4659

 79.5950, 85.1753,  
79.9580

 83.5087, 87.5452,  
98.0873

 85.7365, 89.2483,  
107.3156

 86.2488, 90.2729,  
107.4864

 86.7659, 91.3071,  
107.6587

# Harmonies

## Analogous

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



82.5957, 76.0390, 24.5563



66.5322, 76.0390, 23.2270



53.9904, 76.0390, 32.8634

# Triad

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



66.5322, 76.0390, 23.2270



51.6344, 76.0390, 154.6677



105.1827, 76.0390, 114.3890

# Complementary

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



66.5322, 76.0390, 23.2270



26.5596, 20.1519, 84.9274

# 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.



94.2765, 76.0390, 167.6305



66.5322, 76.0390, 23.2270



62.8480, 76.0390, 196.1519

# Square

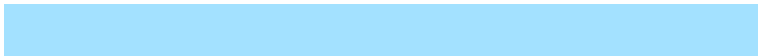
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5322, 76.0390, 23.2270



46.2675, 76.0390, 100.8652



78.3344, 76.0390, 201.6124



106.5538, 76.0390, 67.0207



# Rectangle

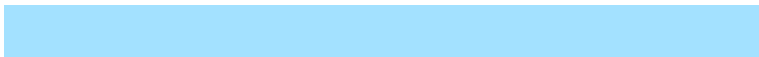
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.5322, 76.0390, 23.2270



48.6971, 76.0390, 47.3597



78.3344, 76.0390, 201.6124



102.4427, 76.0390, 132.5645

# Sweetspot

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



66.5340, 76.0425, 23.2286



87.8603, 95.5574, 75.8698



43.3988, 28.8028, 18.5053



18.6453, 20.3498, 15.5156



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.



66.5340, 76.0425, 23.2286



74.3912, 85.4472, 19.5011



52.6734, 73.1446, 23.3997



17.0207, 18.2545, 16.7761



34.1391, 39.0763, 5.7432



2.8687, 3.3082, 0.4873



# Inverse Universe

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



26.5596, 20.1519, 84.9274



24.6629, 15.9620, 96.3888



34.4522, 22.7095, 85.0050



14.9879, 15.4098, 19.9061



8.7551, 3.7345, 45.3873

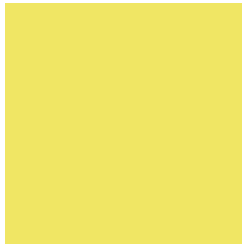


0.7597, 0.3734, 3.7863



# Previews

## White Background



This preview shows how the XYZ color 66.5322, 76.0390, 23.2270 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 66.5322, 76.0390, 23.2270 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 66.5322, 76.0390, 23.2270**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5322, 76.0390, 23.2270.



This preview shows how white text looks on a background with the XYZ color 66.5322, 76.0390,



# 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

66.5322, 76.0390, 23.2270

### Protanopia

69.2321, 75.8028, 22.7869

### Deuteranopia

74.6697, 75.5810, 51.7274



## Tritanopia

79.7719, 75.8776, 87.5322

# Trichromacy



## Original Color

66.5322, 76.0390, 23.2270

## Protanomaly

68.0790, 75.6132, 22.8110

## Deuteranomaly

71.4253, 75.7734, 38.8782

## Tritanomaly

73.3248, 75.1721, 56.5440

# Monochromacy



## Original Color

66.5322, 76.0390, 23.2270

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.2232, 71.5064, 50.9219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5322, 76.0390, 23.2270 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(240, 230, 100)` looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 100)  
}
```

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(240, 230, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5322, 76.0390, 23.2270 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(240, 230, 100) }
```



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

```
.border{ border-color:rgb(240, 230, 100) }
```

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

Here you see how a box with a 4 pixel rgb(240, 230, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 100);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5322, 76.0390, 23.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 100) }
```

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

```
.background{ background-color: rgb(240,  
230, 100) }
```

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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