

# Converting Colors

XYZ(67.8891, 77.7693, 22.7259)

Have a look what the booklet for  
XYZ(67.8891, 77.7693, 22.7259)  
contains.

<b>XYZ(67.6322, 77.4535, 22.6947)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(67.6322, 77.4535,  
22.6947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E861
RGB	242, 232, 97
RGB Percent	95%, 91%, 38%
CMY	0.0510, 0.0902, 0.6196
CMYK	0.00, 0.04, 0.60, 0.05
HSL	56°, 85%, 66%
HSV	56°, 60%, 95%
XYZ	67.6322, 77.4535, 22.6947
YIQ	219.6000, 49.2950, -39.8650

# Conversions

## Conversions Part 2

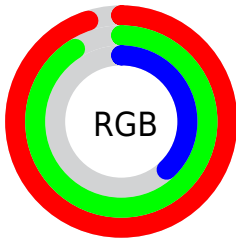
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 242, 97
Decimal	15919201
CIELab	90.53, -12.80, 65.09
CIELCh	91, 66.337, 101.123
Yxy	77.4535, 0.4031, 0.4616
Android (android.graphics.Color)	4294109281 (0xFFFF2E861)
YUV	219.6000, -60.4418, 19.6448
Hunter-Lab	88.0077, -16.8396, 46.3161

# Details

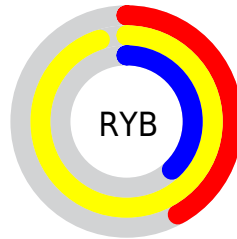
The XYZ color **67.6322, 77.4535, 22.6947** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.2145, 19.4672, 86.3798**, and the grayscale version is **68.1342, 71.6825, 78.0622**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **35.6168, 41.6580, 8.0831** is the 20% darker color. If you saturate the color by 10%, you get **66.2050, 76.1378, 17.4760**, and if you desaturate by 10%, it is **69.4116, 78.9229, 29.7301**.

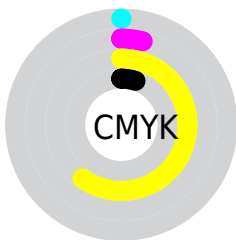
# Distribution



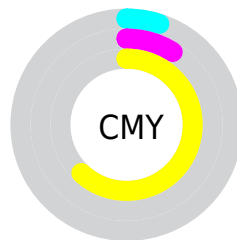
- Red (95%)
- Green (91%)
- Blue (38%)



- Red (42%)
- Yellow (95%)
- Blue (38%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6322, 77.4535, 22.6947 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 67.6322, 77.4535, 22.6947 by changing the saturation by 10% instead.



67.6322, 77.4535,  
22.6947

67.6322, 77.4535,  
22.6947

441.5890,  
486.3089, 279.2239

49.8712, 57.6252,  
14.1651

114.8706,  
129.7794, 48.8084

35.5284, 41.5074,  
8.0955

145.0787,  
163.0458, 67.2295

24.2386, 28.7157,  
4.0675

180.1665,  
201.5604, 89.7848

15.6364, 18.8659,  
1.6624

220.4994,  
245.7074, 116.8929

9.3565, 11.5734,  
0.3348

266.4428,  
295.8714, 148.9723

5.0334, 6.4539,  
0.0000

318.3619,

2.3018, 3.1230,

352.4367, 186.4416

0.0000

376.6222,  
415.7877, 229.7193

■ 0.7956, 1.1963,  
0.0000

■ 0.0000, 0.0587,  
0.0000

■ 67.6322, 77.4535,  
22.6947

■ 67.6322, 77.4535,  
22.6947

■ 66.2050, 76.1378,  
17.4760

■ 69.4116, 78.9229,  
29.7301

■ 65.0921, 74.9521,  
13.8986


■ 71.5662, 80.5467,  
38.7268


■ 64.2567, 73.8845,  
11.7608


■ 74.1231, 82.3386,  
49.8203


■ 63.6347, 72.9093,  
10.7249


■ 77.1056, 84.3079,  
63.1327


 63.6298, 72.9013,  
10.7177

 80.5351, 86.4632,  
78.7767

 84.4315, 88.8125,  
96.8574

 86.9226, 90.6069,  
107.5153

 87.4259, 91.6134,  
107.6831

 87.9337, 92.6291,  
107.8523

# Harmonies

## Analogous

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



84.4301, 77.4535, 24.0541



67.6322, 77.4535, 22.6947



54.5642, 77.4535, 32.5291

# Triad

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



67.6322, 77.4535, 22.6947



52.1032, 77.4535, 159.8339



108.1218, 77.4535, 117.4869

# Complementary

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



67.6322, 77.4535, 22.6947



26.2145, 19.4672, 86.3798

# 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.



96.6577, 77.4535, 173.5933



67.6322, 77.4535, 22.6947



63.7693, 77.4535, 203.7080

# Square

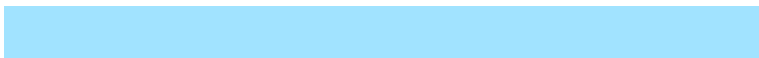
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6322, 77.4535, 22.6947



46.5388, 77.4535, 103.2177



79.9453, 77.4535, 209.5204



109.5712, 77.4535, 67.9060



# Rectangle

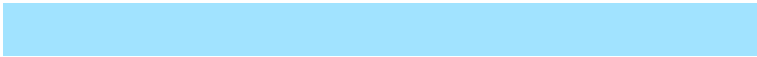
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6322, 77.4535, 22.6947



49.0640, 77.4535, 47.4545



79.9453, 77.4535, 209.5204



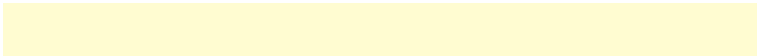
105.2391, 77.4535, 136.6068

# Sweetspot

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



67.6340, 77.4571, 22.6963



87.5201, 95.3866, 74.1852



43.6578, 28.5333, 17.6990



18.5063, 20.2712, 14.8548



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.



67.6340, 77.4571, 22.6963



74.2455, 85.4307, 18.6054



53.1033, 74.2616, 22.8454



17.0242, 18.2616, 16.7773



34.2243, 39.2466, 5.7715



2.8749, 3.3205, 0.4894



# Inverse Universe

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



26.2145, 19.4672, 86.3798



23.8525, 14.9237, 96.2311



34.2885, 22.1712, 86.4762



14.9847, 15.4036, 19.9050



8.7494, 3.7230, 45.3853

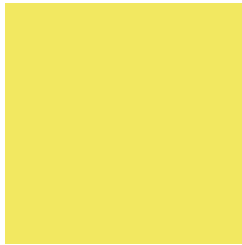


0.7582, 0.3704, 3.7858



# Previews

## White Background



This preview shows how the XYZ color 67.6322, 77.4535, 22.6947 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 67.6322, 77.4535, 22.6947 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 67.6322, 77.4535, 22.6947**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.6322, 77.4535, 22.6947.



This preview shows how white text looks on a background with the XYZ color 67.6322, 77.4535,



# 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

67.6322, 77.4535, 22.6947

### Protanopia

70.3627, 77.2140, 22.2616

### Deuteranopia

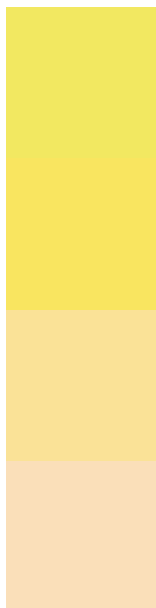
76.0712, 77.4128, 55.1887



## Tritanopia

81.3068, 77.4010, 89.2518

# Trichromacy



## Original Color

67.6322, 77.4535, 22.6947

## Protanomaly

69.1976, 77.0229, 22.2861

## Deuteranomaly

72.2066, 76.9511, 40.3255

## Tritanomaly

74.5690, 76.6021, 56.7544

# Monochromacy



## Original Color

67.6322, 77.4535, 22.6947

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.3884, 72.9004, 51.1296

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.6322, 77.4535, 22.6947 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(242, 232, 97)` looks like.

```
.text, #text, p{  
    color:rgb(242, 232, 97)  
}
```

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(242, 232, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 232, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 67.6322, 77.4535, 22.6947 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(242, 232, 97) }
```



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

```
.border{ border-color:rgb(242, 232, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 232, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 232, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 232, 97);  
box-shadow:4px 4px 4px 4px rgb(242, 232,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.6322, 77.4535, 22.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 232, 97) }
```

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

```
.background{ background-color: rgb(242,  
232, 97) }
```

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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