

Converting Colors

XYZ(62.0551, 77.6806, 17.3923)

Have a look what the booklet for
XYZ(62.0551, 77.6806, 17.3923)
contains.

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Color

**XYZ(62.0649, 77.6923,
17.3552)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEF45
RGB	222, 239, 69
RGB Percent	87%, 94%, 27%
CMY	0.1294, 0.0627, 0.7294
CMYK	0.07, 0.00, 0.71, 0.06
HSL	66°, 84%, 60%
HSV	66°, 71%, 94%
XYZ	62.0649, 77.6923, 17.3552
YIQ	214.5370, 44.4380, -56.4740

Conversions

Conversions Part 2

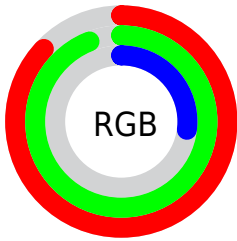
Format	Color
R_{YB}	69, 239, 86
Decimal	14610245
CIE _{Lab}	90.64, -25.87, 75.42
CIE _{LCh}	91, 79.735, 108.932
Yxy	77.6923, 0.3950, 0.4945
Android (android.graphics.Color)	4292800325 (0xFFDEEF45)
YUV	214.5370, -71.7497, 6.5451
Hunter-Lab	88.1432, -28.5622, 50.0262

Details

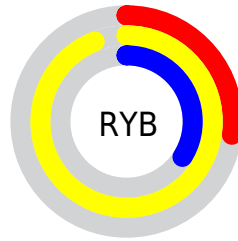
The XYZ color **62.0649, 77.6923, 17.3552** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.5484, 12.4685, 82.9371**, and the grayscale version is **64.7288, 68.0997, 74.1606**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **32.0377, 41.6535, 6.3514** is the 20% darker color. If you saturate the color by 10%, you get **60.7408, 77.0815, 14.1702**, and if you desaturate by 10%, it is **63.7016, 78.4350, 22.1164**.

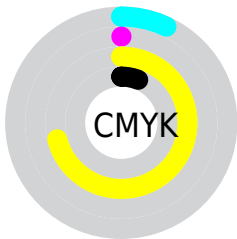
Distribution



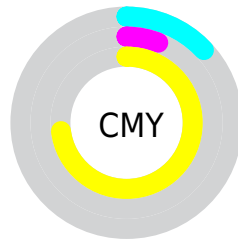
- Red (87%)
- Green (94%)
- Blue (27%)



- Red (27%)
- Yellow (94%)
- Blue (34%)



- Cyan (7%)
- Magenta (0%)
- Yellow (71%)
- Black (6%)





- Cyan (13%)
- Magenta (6%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.0649, 77.6923, 17.3552 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 62.0649, 77.6923, 17.3552 by changing the saturation by 10% instead.


 62.0649, 77.6923,
17.3552


 62.0649, 77.6923,
17.3552


421.8816,
487.1212, 249.3239

 45.3409, 57.8212,
10.3234


 106.9087,
130.1163, 39.7345


 31.9285, 41.6650,
5.5055


 135.7593,
163.4380, 55.9191


 21.4622, 28.8390,
2.4829


 169.3828,
202.0120, 75.9917

 13.5766, 18.9591,
0.8311

 208.1446,
246.2228, 100.3708

 7.9065, 11.6407,
0.0000

 252.4100,
296.4547, 129.4751

 4.0865, 6.4995,
0.0000

302.5444,

 1.7512, 3.1511,

353.0922, 163.7230

0.0000

358.9131,
416.5195, 203.5331

■ 0.4880, 1.2111,
0.0000

■ 0.0000, 0.0708,
0.0000

■ 62.0649, 77.6923,
17.3552

■ 62.0649, 77.6923,
17.3552

■ 60.7408, 77.0815,
14.1702

■ 63.7016, 78.4350,
22.1164


■ 59.6855, 76.5766,
12.3545


■ 65.6775, 79.3118,
28.6175


■ 58.9208, 76.1982,
11.6023


■ 68.0225, 80.3374,
37.0072

■ 70.7615, 81.5218,
47.4167

 73.9172, 82.8742,
59.9659

 77.5107, 84.4029,
74.7651

 81.5615, 86.1157,
91.9171

 85.2375, 87.6798,
107.0391

 86.0597, 88.1037,
107.0776

Harmonies

Analogous

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



81.4702, 77.6923, 16.0316



62.0649, 77.6923, 17.3552



48.4956, 77.6923, 30.9338

Triad

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



62.0649, 77.6923, 17.3552



51.3659, 77.6923, 197.6543



118.3429, 77.6923, 107.5303

Complementary

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



62.0649, 77.6923, 17.3552



21.5484, 12.4685, 82.9371

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.



106.7709, 77.6923, 179.4522



62.0649, 77.6923, 17.3552



66.7096, 77.6923, 245.0943

Square

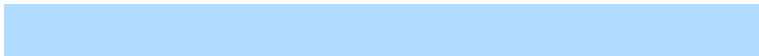
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.0649, 77.6923, 17.3552



43.1324, 77.6923, 125.5602



87.0269, 77.6923, 237.2410



116.4849, 77.6923, 53.6751

Rectangle

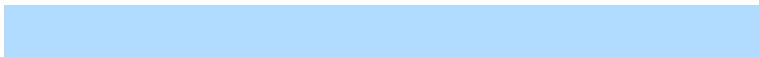
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.0649, 77.6923, 17.3552



43.4758, 77.6923, 50.8775



87.0269, 77.6923, 237.2410



115.8220, 77.6923, 130.6454

Sweetspot

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



62.0667, 77.6959, 17.3568



85.6521, 96.0163, 69.5549



40.0014, 25.4381, 8.4330



18.1054, 20.4542, 13.9698



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.



62.0667, 77.6959, 17.3568



69.8215, 89.0385, 15.3611



42.2603, 67.4853, 16.4299



16.9580, 18.3740, 16.8025



32.6230, 42.1393, 6.4143



2.7586, 3.5286, 0.5357

Inverse Universe

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



21.5484, 12.4685, 82.9371



20.6106, 9.5809, 95.3707



34.5054, 19.1480, 83.5434



15.0439, 15.3044, 19.8827



8.8662, 3.5761, 45.3508



0.7865, 0.3227, 3.7751

Previews

White Background



This preview shows how the XYZ color 62.0649, 77.6923, 17.3552 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 62.0649, 77.6923, 17.3552 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 62.0649, 77.6923, 17.3552

Background



This preview shows how black text looks on a background with the XYZ color 62.0649, 77.6923, 17.3552.



This preview shows how white text looks on a background with the XYZ color 62.0649, 77.6923,

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

62.0649, 77.6923, 17.3552

Protanopia

70.1860, 77.2278, 17.5106

Deuteranopia

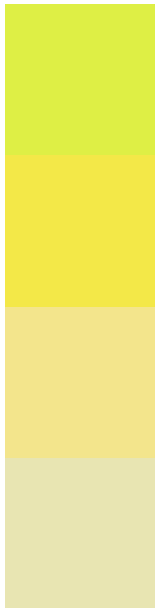
75.8659, 77.3306, 54.1078



Tritanopia

77.5248, 77.3034, 94.0541

Trichromacy



Original Color

62.0649, 77.6923, 17.3552

Protanomaly

66.9885, 77.2358, 17.5082

Deuteranomaly

69.7151, 76.9868, 35.9965

Tritanomaly

69.3339, 76.4088, 53.2136

Monochromacy



Original Color

62.0649, 77.6923, 17.3552

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

62.0907, 70.8254, 44.5806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.0649, 77.6923, 17.3552 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(222, 239, 69)` looks like.

```
.text, #text, p{  
    color:rgb(222, 239, 69)  
}
```

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(222, 239, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 239, 69) }
```

Border

The CSS property to change the border of an element to XYZ 62.0649, 77.6923, 17.3552 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(222, 239, 69) }
```


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

```
.border{ border-color:rgb(222, 239, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 239, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 239, 69); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 239, 69); box-shadow:4px 4px 4px 4px rgb(222, 239, 69) }
```

Background

The CSS property to change the background color of an element to XYZ 62.0649, 77.6923, 17.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 239, 69) }
```

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

```
.background{ background-color: rgb(222,  
239, 69) }
```

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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