

Converting Colors

XYZ(65.1731, 77.4005, 14.1209)

Have a look what the booklet for
XYZ(65.1731, 77.4005, 14.1209)
contains.

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Color

**XYZ(65.1759, 77.2200,
14.0546)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEE2E
RGB	238, 234, 46
RGB Percent	93%, 92%, 18%
CMY	0.0667, 0.0823, 0.8196
CMYK	0.00, 0.02, 0.81, 0.07
HSL	59°, 85%, 56%
HSV	59°, 81%, 93%
XYZ	65.1759, 77.2200, 14.0546
YIQ	213.7640, 62.7320, -57.6200

Conversions

Conversions Part 2

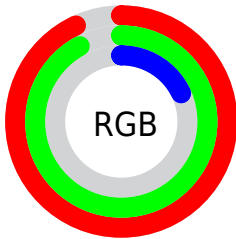
Format	Color
R_{YB}	50, 238, 46
Decimal	15657518
CIE _{Lab}	90.42, -17.81, 82.41
CIE _{LCh}	90, 84.313, 102.192
Yxy	77.2200, 0.4166, 0.4936
Android (android.graphics.Color)	4293847598 (0xFFEEEA2E)
YUV	213.7640, -82.7077, 21.2550
Hunter-Lab	87.8749, -21.3895, 52.0297

Details

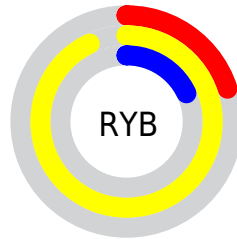
The XYZ color **65.1759, 77.2200, 14.0546** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **17.7004, 9.0355, 81.6996**, and the grayscale version is **64.2692, 67.6162, 73.6341**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **34.4802, 41.7052, 6.2326** is the 20% darker color. If you saturate the color by 10%, you get **64.6904, 76.8035, 12.1847**, and if you desaturate by 10%, it is **65.9249, 77.7483, 17.2952**.

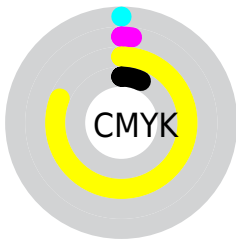
Distribution



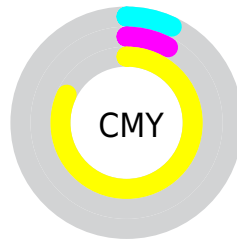
- Red (93%)
- Green (92%)
- Blue (18%)



- Red (20%)
- Yellow (93%)
- Blue (18%)



- Cyan (0%)
- Magenta (2%)
- Yellow (81%)
- Black (7%)





- Cyan (7%)
- Magenta (8%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1759, 77.2200, 14.0546 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 65.1759, 77.2200, 14.0546 by changing the saturation by 10% instead.


 65.1759, 77.2200,
14.0546

 65.1759, 77.2200,
14.0546


432.9590,
485.5138, 229.0105


 47.8690, 57.4335,
8.0195


 111.3670,
129.4500, 33.9044


 33.9339, 41.3533,
4.0195


 140.9819,
162.6622, 48.5561


 23.0055, 28.5953,
1.6360


 175.4301,
201.1185, 66.9172

 14.7183, 18.7749,
0.3163

 215.0771,
245.2031, 89.4060

 8.7069, 11.5077,
0.0000

 260.2881,
295.3006, 116.4412

 4.6061, 6.4094,
0.0000

311.4285,

 2.0504, 3.0956,

351.7953, 148.4414

0.0000

368.8637,
415.0715, 185.8249

■ 0.6620, 1.1818,
0.0000

■ 0.0000, 0.0468,
0.0000

■ 65.1759, 77.2200,
14.0546

■ 65.1759, 77.2200,
14.0546

■ 64.6904, 76.8035,
12.1847

■ 65.9249, 77.7483,
17.2952

■ 64.4126, 76.4828,
11.3678

■ 66.9699, 78.3928,
22.0996

■ 68.3439, 79.1695,
28.6352

■ 70.0745, 80.0894,
37.0465

■ 72.1863, 81.1625,
47.4630

■ 74.7017, 82.3976,
60.0027

■ 77.6412, 83.8030,
74.7745

■ 81.0243, 85.3865,
91.8797

■ 84.0188, 86.8151,
106.9365

Harmonies

Analogous

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



86.4810, 77.2200, 14.9655



65.1759, 77.2200, 14.0546



49.4319, 77.2200, 24.1237

Triad

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



65.1759, 77.2200, 14.0546



47.3088, 77.2200, 188.4169



119.0626, 77.2200, 124.7408

Complementary

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



65.1759, 77.2200, 14.0546



17.7004, 9.0355, 81.6996

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.



104.0692, 77.2200, 202.5051



65.1759, 77.2200, 14.0546



61.7010, 77.2200, 249.7470

Square

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



65.1759, 77.2200, 14.0546



40.5189, 77.2200, 111.0092



82.2782, 77.2200, 255.8698



120.4851, 77.2200, 61.9004

Rectangle

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



65.1759, 77.2200, 14.0546



43.1029, 77.2200, 40.7715



82.2782, 77.2200, 255.8698



115.3269, 77.2200, 150.5687

Sweetspot

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



65.1777, 77.2236, 14.0562



86.3104, 95.8566, 64.8744



36.8662, 20.3834, 5.2887



18.2496, 20.4070, 12.7675



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.



65.1777, 77.2236, 14.0562



75.4226, 89.5582, 13.5309



43.3537, 67.6797, 13.3643



17.0931, 18.3993, 16.8002



35.9486, 42.6953, 6.3463



2.9995, 3.5697, 0.5309

Inverse Universe

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



17.7004, 9.0355, 81.6996



18.2871, 7.5520, 95.1016



26.4992, 13.3290, 82.0646



14.9236, 15.2814, 19.8846



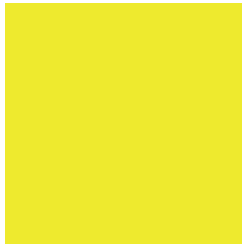
8.6513, 3.5268, 45.3526



0.7289, 0.3118, 3.7760

Previews

White Background



This preview shows how the XYZ color 65.1759, 77.2200, 14.0546 looks on a white background.

Color Contrast Check

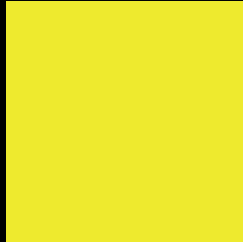
Large Text (above 18pt) WCAG AA × Fail

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 65.1759, 77.2200, 14.0546 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 65.1759, 77.2200, 14.0546

Background



This preview shows how black text looks on a background with the XYZ color 65.1759, 77.2200, 14.0546.



This preview shows how white text looks on a background with the XYZ color 65.1759, 77.2200,

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

65.1759, 77.2200, 14.0546

Protanopia

69.9088, 77.1170, 16.0510

Deuteranopia

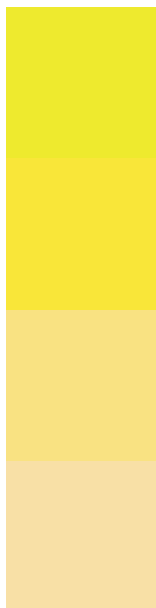
75.3972, 76.7169, 52.9535



Tritanopia

80.5748, 77.0236, 89.2176

Trichromacy



Original Color

65.1759, 77.2200, 14.0546

Protanomaly

68.1023, 77.0288, 15.1496

Deuteranomaly

70.2925, 76.1442, 32.1116

Tritanomaly

72.2500, 76.0209, 46.9419

Monochromacy



Original Color

65.1759, 77.2200, 14.0546

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.0376, 69.7008, 40.3209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1759, 77.2200, 14.0546 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(238, 234, 46)` looks like.

```
.text, #text, p{  
    color:rgb(238, 234, 46)  
}
```

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(238, 234, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 234, 46) }
```

Border

The CSS property to change the border of an element to XYZ 65.1759, 77.2200, 14.0546 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(238, 234, 46) }
```


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

```
.border{ border-color:rgb(238, 234, 46) }
```

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

Here you see how a box with a 4 pixel rgb(238, 234, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 234, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 234, 46);  
box-shadow:4px 4px 4px 4px rgb(238, 234,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1759, 77.2200, 14.0546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 234, 46) }
```

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

```
.background{ background-color: rgb(238,  
234, 46) }
```

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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