

Converting Colors

XYZ(64.3281, 78.6420, 14.4856)

Have a look what the booklet for
XYZ(64.3281, 78.6420, 14.4856)
contains.

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Color

**XYZ(64.3663, 78.5101,
14.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EE2F
RGB	232, 238, 47
RGB Percent	91%, 93%, 18%
CMY	0.0902, 0.0666, 0.8157
CMYK	0.03, 0.00, 0.80, 0.07
HSL	62°, 85%, 56%
HSV	62°, 80%, 93%
XYZ	64.3663, 78.5101, 14.4508
YIQ	214.4320, 57.7350, -60.6730

Conversions

Conversions Part 2

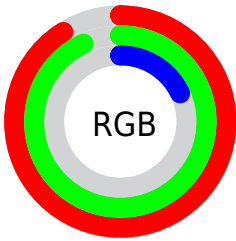
Format	Color
RYB	47, 238, 53
Decimal	15265327
CIELab	91.01, -22.18, 82.49
CIELCh	91, 85.416, 105.050
Yxy	78.5101, 0.4091, 0.4990
Android (android.graphics.Color)	4293455407 (0xFFE8EE2F)
YUV	214.4320, -82.5440, 15.4071
Hunter-Lab	88.6059, -25.3920, 52.3545

Details

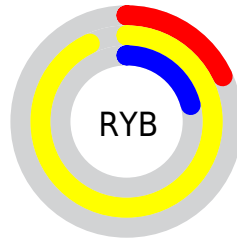
The XYZ color **64.3663, 78.5101, 14.4508** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **17.9195, 8.9645, 81.6797**, and the grayscale version is **64.7222, 68.0928, 74.1531**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **33.7412, 42.2266, 6.3722** is the 20% darker color. If you saturate the color by 10%, you get **63.7691, 78.2461, 12.5636**, and if you desaturate by 10%, it is **65.2296, 78.8865, 17.7179**.

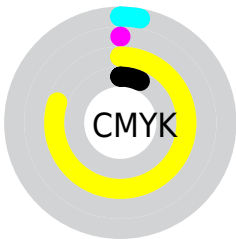
Distribution



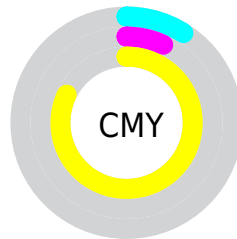
- Red (91%)
- Green (93%)
- Blue (18%)



- Red (18%)
- Yellow (93%)
- Blue (21%)



- Cyan (3%)
- Magenta (0%)
- Yellow (80%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3663, 78.5101, 14.4508 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 64.3663, 78.5101, 14.4508 by changing the saturation by 10% instead.

64.3663, 78.5101,
14.4508

64.3663, 78.5101,
14.4508

430.0925,
489.8975, 231.5427

47.2102, 58.4931,
8.2925

110.2091,
131.2690, 34.6154

33.4105, 42.2052,
4.1923

139.6265,
164.7796, 49.4587

22.6018, 29.2620,
1.7314

173.8617,
203.5569, 68.0343

14.4189, 19.2791,
0.3821

213.2801,
247.9853, 90.7604

8.4962, 11.8721,
0.0000

258.2470,
298.4492, 118.0558

4.4685, 6.6567,
0.0000

309.1278,

1.9705, 3.2483,

355.3329, 150.3390

0.0000

366.2879,
419.0208, 188.0284

■ 0.6173, 1.2627,
0.0000

■ 0.0000, 0.1121,
0.0000

■ 64.3663, 78.5101,
14.4508

■ 64.3663, 78.5101,
14.4508

■ 63.7691, 78.2461,
12.5636

■ 65.2296, 78.8865,
17.7179

■ 63.3768, 78.0620,
11.7272

■ 66.3908, 79.3792,
22.5564

■ 67.8830, 80.0045,
29.1325

■ 69.7336, 80.7732,
37.5901

71.9669, 81.6951,
48.0581

74.6054, 82.7793,
60.6540

77.6697, 84.0338,
75.4865

81.1789, 85.4665,
92.6566

84.1340, 86.6776,
106.9039

Harmonies

Analogous

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



85.8349, 78.5101, 14.4343



64.3663, 78.5101, 14.4508



48.9596, 78.5101, 26.0493

Triad

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



64.3663, 78.5101, 14.4508



48.9984, 78.5101, 200.0458



122.2669, 78.5101, 119.9155

Complementary

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



64.3663, 78.5101, 14.4508



17.9195, 8.9645, 81.6797

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.



107.9736, 78.5101, 199.7866



64.3663, 78.5101, 14.4508



64.4299, 78.5101, 259.1462

Square

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



64.3663, 78.5101, 14.4508



41.3205, 78.5101, 120.1674



85.9119, 78.5101, 259.0334



122.2408, 78.5101, 58.2129

Rectangle

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



64.3663, 78.5101, 14.4508



42.9924, 78.5101, 44.5465



85.9119, 78.5101, 259.0334



118.8721, 78.5101, 145.9819

Sweetspot

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



64.3681, 78.5137, 14.4524



86.0105, 96.3028, 64.9763



36.9242, 20.6813, 4.7361



18.1760, 20.5167, 12.7926



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.



64.3681, 78.5137, 14.4524



74.2797, 91.3712, 14.0144



41.7914, 66.8750, 13.3958



17.0709, 18.4322, 16.8078



35.3776, 43.5594, 6.5432



2.9584, 3.6316, 0.5451

Inverse Universe

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



17.9195, 8.9645, 81.6797



18.4083, 7.5691, 95.0985



28.2497, 14.2899, 82.1631



14.9432, 15.2524, 19.8780



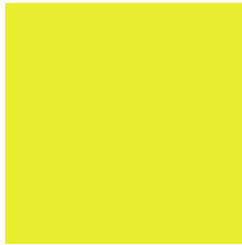
8.6821, 3.4812, 45.3422



0.7383, 0.2979, 3.7728

Previews

White Background



This preview shows how the XYZ color 64.3663, 78.5101, 14.4508 looks on a white background.

Color Contrast Check

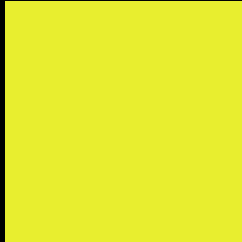
Large Text (above 18pt) WCAG AA × Fail

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 64.3663, 78.5101, 14.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

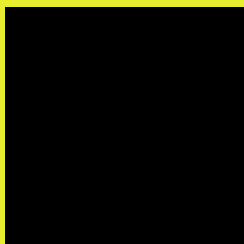
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3663, 78.5101, 14.4508

Background



This preview shows how black text looks on a background with the XYZ color 64.3663, 78.5101, 14.4508.



This preview shows how white text looks on a background with the XYZ color 64.3663, 78.5101,

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

64.3663, 78.5101, 14.4508

Protanopia

71.0625, 78.0199, 20.7651

Deuteranopia

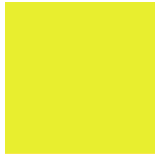
76.4429, 77.9902, 55.8244



Tritanopia

80.4127, 78.4310, 92.5618

Trichromacy



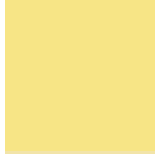
Original Color

64.3663, 78.5101, 14.4508



Protanomaly

68.4504, 77.9818, 17.9228



Deuteranomaly

70.6802, 77.5340, 33.7946



Tritanomaly

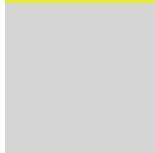
71.5228, 77.2286, 48.6731

Monochromacy



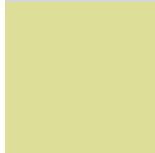
Original Color

64.3663, 78.5101, 14.4508



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.9562, 70.4474, 40.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3663, 78.5101, 14.4508 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(232, 238, 47)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 47)  
}
```

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(232, 238, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 47) }
```

Border

The CSS property to change the border of an element to XYZ 64.3663, 78.5101, 14.4508 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(232, 238, 47) }
```


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

```
.border{ border-color:rgb(232, 238, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 47);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3663, 78.5101, 14.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 47) }
```

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

```
.background{ background-color: rgb(232,  
238, 47) }
```

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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