

Converting Colors

XYZ(63.6432, 76.4536, 12.9160)

Have a look what the booklet for
XYZ(63.6432, 76.4536, 12.9160)
contains.

XYZ(63.6432, 76.4536, 12.9160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.6432, 76.4536,
12.9160)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEA22
RGB	234, 234, 34
RGB Percent	92%, 92%, 13%
CMY	0.0824, 0.0823, 0.8666
CMYK	0.00, 0.00, 0.85, 0.08
HSL	60°, 83%, 53%
HSV	60°, 85%, 92%
XYZ	63.6432, 76.4536, 12.9160
YIQ	211.2000, 64.2000, -62.2000

Conversions

Conversions Part 2

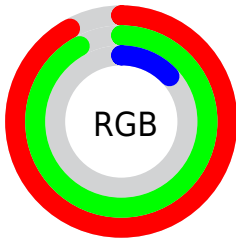
Format	Color
RYB	34, 234, 34
Decimal	15395362
CIELab	90.07, -19.77, 84.61
CIELCh	90, 86.887, 103.150
Yxy	76.4536, 0.4159, 0.4997
Android (android.graphics.Color)	4293585442 (0xFFEAEA22)
YUV	211.2000, -87.3596, 19.9956
Hunter-Lab	87.4377, -23.0915, 52.4483

Details

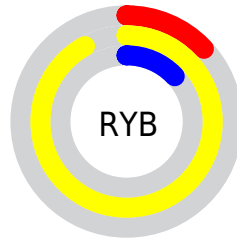
The XYZ color **63.6432, 76.4536, 12.9160** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **16.0849, 7.4261, 78.4324**, and the grayscale version is **62.5818, 65.8409, 71.7007**.

A 20% lighter version of the original color is **79.4482, 93.7593, 26.7419**, and **33.5757, 41.2389, 6.1903** is the 20% darker color. If you saturate the color by 10%, you get **63.4139, 76.3647, 11.7025**, and if you desaturate by 10%, it is **64.1052, 76.6413, 15.3397**.

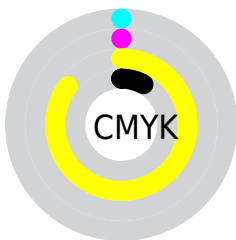
Distribution



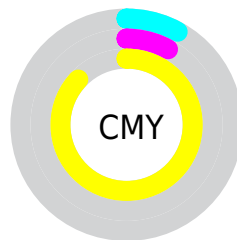
- Red (92%)
- Green (92%)
- Blue (13%)



- Red (13%)
- Yellow (92%)
- Blue (13%)



- Cyan (0%)
- Magenta (0%)
- Yellow (85%)
- Black (8%)





- Cyan (8%)
- Magenta (8%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6432, 76.4536, 12.9160 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 63.6432, 76.4536, 12.9160 by changing the saturation by 10% instead.


 63.6432, 76.4536,
12.9160

 63.6432, 76.4536,
12.9160


427.5227,
482.8990, 221.5675

 46.6223, 56.8045,
7.2407


 109.1735,
128.3679, 31.8418


 32.9439, 40.8483,
3.5324


 138.4137,
161.4019, 45.9293


 22.2425, 28.2006,
1.3725


 172.4578,
199.6664, 63.6580

 14.1528, 18.4769,
0.1201

 211.6710,
243.5457, 85.4463

 8.3094, 11.2929,
0.0000

 256.4187,
293.4242, 111.7129

 4.3470, 6.2642,
0.0000

 307.0663,

 1.9003, 3.0064,

349.6863, 142.8763

0.0000

363.9792,
412.7165, 179.3550

■ 0.5770, 1.1351,
0.0000

■ 0.0000, 0.0077,
0.0000

■ 63.6432, 76.4536,
12.9160

■ 63.6432, 76.4536,
12.9160

■ 63.4139, 76.3647,
11.7025

■ 64.1052, 76.6413,
15.3397

■ 63.3556, 76.3414,
11.3962

■ 64.8348, 76.9332,
19.1804

■ 65.8665, 77.3459,
24.6115

■ 67.2282, 77.8906,
31.7805

■ 68.9447, 78.5772,
40.8179

■ 71.0384, 79.4148,
51.8419

■ 73.5300, 80.4114,
64.9608

■ 76.4385, 81.5749,
80.2754

■ 79.7818, 82.9122,
97.8795

Harmonies

Analogous

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



85.3496, 76.4536, 13.4970



63.6432, 76.4536, 12.9160



47.8558, 76.4536, 23.2193

Triad

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



63.6432, 76.4536, 12.9160



46.4383, 76.4536, 193.6150



119.9669, 76.4536, 122.5921

Complementary

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



63.6432, 76.4536, 12.9160



16.0849, 7.4261, 78.4324

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.



104.8432, 76.4536, 203.2808



63.6432, 76.4536, 12.9160



61.3072, 76.4536, 256.2644

Square

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



63.6432, 76.4536, 12.9160



39.3290, 76.4536, 113.2611



82.5055, 76.4536, 260.4833



120.9366, 76.4536, 59.0642

Rectangle

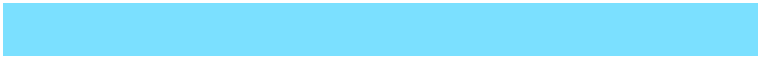
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6432, 76.4536, 12.9160



41.6168, 76.4536, 40.3324



82.5055, 76.4536, 260.4833



116.2516, 76.4536, 149.1567

Sweetspot

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



63.6449, 76.4572, 12.9176



86.1518, 96.4406, 62.0478



34.7951, 18.7538, 3.3002



18.2414, 20.5628, 12.2347



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.



63.6449, 76.4572, 12.9176



76.9965, 92.7782, 13.8498



39.5466, 64.0340, 11.7898



16.3519, 17.6270, 16.0592



35.6002, 42.8971, 6.4036



2.7955, 3.3685, 0.5028

Inverse Universe

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



16.0849, 7.4261, 78.4324



18.0501, 7.2201, 95.0500



25.2576, 12.1547, 78.8617



14.2313, 14.5490, 18.9804



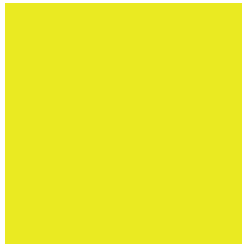
8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Previews

White Background



This preview shows how the XYZ color 63.6432, 76.4536, 12.9160 looks on a white background.

Color Contrast Check

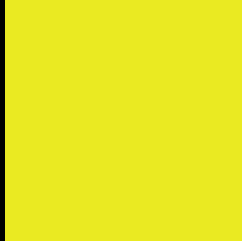
Large Text (above 18pt) WCAG AA × Fail

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 63.6432, 76.4536, 12.9160 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 63.6432, 76.4536, 12.9160

Background



This preview shows how black text looks on a background with the XYZ color 63.6432, 76.4536, 12.9160.



This preview shows how white text looks on a background with the XYZ color 63.6432, 76.4536,

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

63.6432, 76.4536, 12.9160

Protanopia

69.0125, 76.3195, 12.6839

Deuteranopia

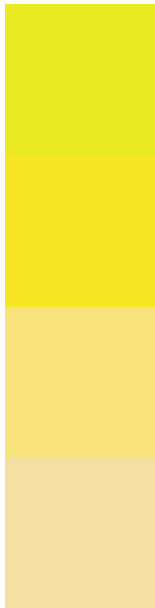
74.7364, 76.0289, 50.7804



Tritanopia

79.1337, 76.2807, 89.1501

Trichromacy



Original Color

63.6432, 76.4536, 12.9160

Protanomaly

66.9580, 76.4891, 12.8249

Deuteranomaly

69.1293, 75.5969, 29.6871

Tritanomaly

70.4855, 75.1530, 44.9734

Monochromacy



Original Color

63.6432, 76.4536, 12.9160

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.8114, 67.8297, 37.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6432, 76.4536, 12.9160 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(234, 234, 34)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 34)  
}
```

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(234, 234, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 34) }
```

Border

The CSS property to change the border of an element to XYZ 63.6432, 76.4536, 12.9160 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(234, 234, 34) }
```


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

```
.border{ border-color:rgb(234, 234, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 34);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6432, 76.4536, 12.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 34) }
```

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

```
.background{ background-color: rgb(234,  
234, 34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor