

Converting Colors

XYZ(24.2901, 35.5556, 6.1997)

Have a look what the booklet for
XYZ(24.2901, 35.5556, 6.1997)
contains.

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Color

**XYZ(24.2471, 35.5333,
6.1968)**

Conversions

Conversions Part 1

Format	Color
Hex	7EB013
RGB	126, 176, 19
RGB Percent	49%, 69%, 7%
CMY	0.5059, 0.3098, 0.9254
CMYK	0.28, 0.00, 0.89, 0.31
HSL	79°, 81%, 38%
HSV	79°, 89%, 69%
XYZ	24.2471, 35.5333, 6.1968
YIQ	143.1520, 20.5970, -59.4270

Conversions

Conversions Part 2

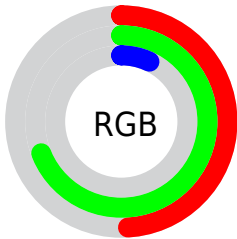
Format	Color
RYB	19, 176, 69
Decimal	8302611
CIELab	66.16, -37.04, 64.73
CIELCh	66, 74.574, 119.777
Yxy	35.5333, 0.3675, 0.5386
Android (android.graphics.Color)	4286492691 (0xFF7EB013)
YUV	143.1520, -61.2069, -15.0423
Hunter-Lab	59.6098, -31.7099, 35.5633

Details

The XYZ color **24.2471, 35.5333, 6.1968** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.5253, 4.8667, 41.4610**, and the grayscale version is **26.4018, 27.7767, 30.2489**.

A 20% lighter version of the original color is **49.9464, 68.4050, 18.7547**, and **9.6087, 15.4680, 2.4792** is the 20% darker color. If you saturate the color by 10%, you get **23.3343, 35.0766, 5.5812**, and if you desaturate by 10%, it is **25.3082, 36.0572, 7.3444**.

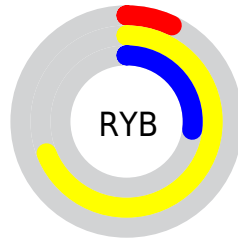
Distribution



Red (49%)

Green (69%)

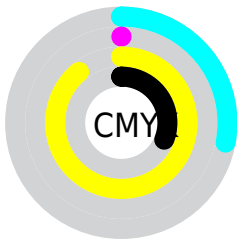
Blue (7%)



Red (7%)

Yellow (69%)

Blue (27%)

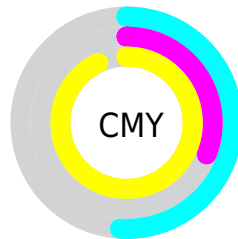


Cyan (28%)

Magenta (0%)

Yellow (89%)

Black (31%)



Cyan (51%)


Magenta (31%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2471, 35.5333, 6.1968 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 24.2471, 35.5333, 6.1968 by changing the saturation by 10% instead.


 24.2471, 35.5333,
6.1968


 24.2471, 35.5333,
6.1968


266.4847,
326.9161, 170.1815


 15.6427, 24.0740,
2.8944


 49.8849, 68.3111,
18.8227


 9.3609, 15.3885,
1.0410


 67.6490, 90.3984,
28.9833

 5.0363, 9.0925,
0.0000


 89.1971, 116.7971,
42.2670

 2.3036, 4.8016,
0.0000

 114.8946,
147.8917, 59.0924

 0.7965, 2.1313,
0.0000

 145.1067,
184.0664, 79.8780

 0.0000, 0.6821,
0.0000

 180.1988,

 0.0000, 0.0000,

225.7058, 105.0424

0.0000

220.5364,
273.1942, 135.0040

■ 24.2471, 35.5333,
6.1968

■ 24.2471, 35.5333,
6.1968

■ 23.3343, 35.0766,
5.5812

■ 25.3082, 36.0572,
7.3444

■ 23.2641, 35.0413,
5.5375

■ 26.5483, 36.6568,
9.1926

■ 27.9859, 37.3410,
11.8316

■ 29.6362, 38.1159,
15.3377

■ 31.5128, 38.9870,
19.7782

■ 33.6277, 39.9591,
25.2137

■ 35.9921, 41.0369,
31.6998

■ 38.6165, 42.2246,
39.2879

■ 41.5107, 43.5262,
48.0261

Harmonies

Analogous

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



33.8565, 35.5333, 4.1091



24.2471, 35.5333, 6.1968



18.4889, 35.5333, 15.3629

Triad

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



24.2471, 35.5333, 6.1968



24.1319, 35.5333, 119.1449



59.9165, 35.5333, 38.9281

Complementary

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



24.2471, 35.5333, 6.1968



10.5253, 4.8667, 41.4610

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.



55.7664, 35.5333, 78.3174



24.2471, 35.5333, 6.1968



33.6903, 35.5333, 137.6029

Square

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



24.2471, 35.5333, 6.1968



18.4334, 35.5333, 77.6598



45.5157, 35.5333, 119.6493



55.8826, 35.5333, 15.5866

Rectangle

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



24.2471, 35.5333, 6.1968



16.8273, 35.5333, 28.8268



45.5157, 35.5333, 119.6493



59.4217, 35.5333, 50.5792

Sweetspot

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



24.2479, 35.5349, 6.1976



61.6935, 72.7925, 47.6178



20.1344, 13.5003, 2.1613



13.0782, 15.6418, 9.5432



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2479, 35.5349, 6.1976



41.9459, 63.4237, 10.0312



16.8530, 31.7226, 5.8515



8.9286, 9.7683, 9.0674



17.1312, 25.7415, 4.0657



0.5964, 0.8395, 0.1306

Inverse Universe

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



10.5253, 4.8667, 41.4610



16.9680, 7.1055, 74.9725



20.1424, 9.8245, 41.9110



8.2883, 8.3571, 10.6826



7.0035, 2.9462, 30.3365



0.2826, 0.1248, 0.9574

Previews

White Background



This preview shows how the XYZ color 24.2471, 35.5333, 6.1968 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 24.2471, 35.5333, 6.1968 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 24.2471, 35.5333, 6.1968

Background



This preview shows how black text looks on a background with the XYZ color 24.2471, 35.5333, 6.1968.



This preview shows how white text looks on a background with the XYZ color 24.2471, 35.5333,

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

24.2471, 35.5333, 6.1968

Protanopia

31.8736, 35.3426, 5.5226

Deuteranopia

35.9193, 35.1466, 6.6411



Tritanopia

32.3666, 35.4760, 46.7366

Trichromacy



Original Color

24.2471, 35.5333, 6.1968

Protanomaly

28.4204, 34.8840, 5.6873

Deuteranomaly

30.4348, 34.5821, 6.2992

Tritanomaly

27.5461, 34.5956, 22.9951

Monochromacy



Original Color

24.2471, 35.5333, 6.1968

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.2425, 29.6429, 15.9992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2471, 35.5333, 6.1968 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(126, 176, 19)` looks like.

```
.text, #text, p{  
    color:rgb(126, 176, 19)  
}
```

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(126, 176, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 176, 19) }
```

Border

The CSS property to change the border of an element to XYZ 24.2471, 35.5333, 6.1968 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(126, 176, 19) }
```


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

```
.border{ border-color:rgb(126, 176, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 176, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 176, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 176, 19);  
box-shadow:4px 4px 4px 4px rgb(126, 176,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2471, 35.5333, 6.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 176, 19) }
```

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

```
.background{ background-color: rgb(126,  
176, 19) }
```

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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