

Converting Colors

XYZ(24.2821, 37.5629, 8.0951)

Have a look what the booklet for
XYZ(24.2821, 37.5629, 8.0951)
contains.

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Color

**XYZ(24.2732, 37.6045,
8.0769)**

Conversions

Conversions Part 1	
Format	Color
Hex	72B729
RGB	114, 183, 41
RGB Percent	45%, 72%, 16%
CMY	0.5529, 0.2823, 0.8392
CMYK	0.38, 0.00, 0.78, 0.28
HSL	89°, 63%, 44%
HSV	89°, 78%, 72%
XYZ	24.2732, 37.6045, 8.0769
YIQ	146.1810, 4.4580, -58.7900

Conversions

Conversions Part 2

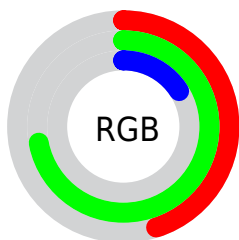
Format	Color
RYB	41, 183, 110
Decimal	7517993
CIELab	67.73, -43.67, 60.32
CIELCh	68, 74.474, 125.903
Yxy	37.6045, 0.3470, 0.5376
Android (android.graphics.Color)	4285708073 (0xFF72B729)
YUV	146.1810, -51.8542, -28.2227
Hunter-Lab	61.3225, -36.6590, 35.1166

Details

The XYZ color **24.2732, 37.6045, 8.0769** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **15.7725, 8.3210, 45.5767**, and the grayscale version is **27.6019, 29.0394, 31.6239**.

A 20% lighter version of the original color is **49.8657, 71.2728, 22.6841**, and **9.5376, 16.5704, 2.6957** is the 20% darker color. If you saturate the color by 10%, you get **22.9243, 36.9390, 6.7169**, and if you desaturate by 10%, it is **25.8848, 38.3906, 10.2253**.

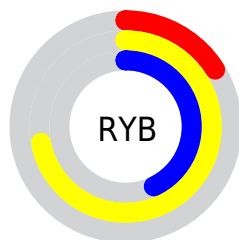
Distribution



Red (45%)

Green (72%)

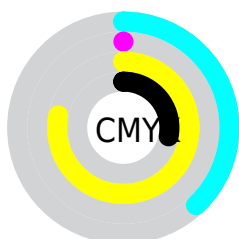
Blue (16%)



Red (16%)

Yellow (72%)

Blue (43%)

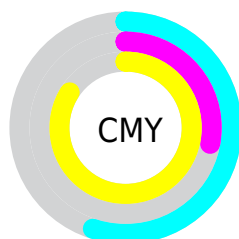


Cyan (38%)

Magenta (0%)

Yellow (78%)

Black (28%)



Cyan (55%)


Magenta (28%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2732, 37.6045, 8.0769 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 24.2732, 37.6045, 8.0769 by changing the saturation by 10% instead.


 24.2732, 37.6045,
8.0769


 24.2732, 37.6045,
8.0769


266.6137,
335.9203, 186.2910


 15.6622, 25.6759,
4.0557


 49.9271, 71.5015,
22.6577


 9.3748, 16.5813,
1.6560


 67.7007, 94.2387,
34.0544

 5.0455, 9.9364,
0.3303


 89.2593, 121.3476,
48.7467

 2.3090, 5.3568,
0.0000

 114.9682,
153.2125, 67.1532

 0.7993, 2.4581,
0.0000

 145.1927,
190.2178, 89.6923

 0.0000, 0.8555,
0.0000


 180.2982,


 0.0000, 0.0000,


232.7479, 116.7826


0.0000


220.6501,
281.1873, 148.8426

 24.2732, 37.6045,
8.0769


 24.2732, 37.6045,
8.0769


 22.9243, 36.9390,
6.7169


 25.8848, 38.3906,
10.2253


 21.8048, 36.3767,
5.9987


 27.7777, 39.3013,
13.2559


 21.5579, 36.2521,
5.8611


 29.9714, 40.3461,
17.2519


 32.4825, 41.5318,
22.2861

 35.3263, 42.8649,
28.4244

 38.5169, 44.3513,
35.7273

 42.0674, 45.9967,
44.2508

 45.9903, 47.8063,
54.0473

 50.2975, 49.7851,
65.1663

Harmonies

Analogous

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



33.5141, 37.6045, 4.7246



24.2732, 37.6045, 8.0769



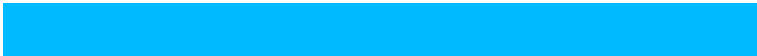
19.1093, 37.6045, 20.1394

Triad

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



24.2732, 37.6045, 8.0769



27.4478, 37.6045, 130.3113



62.5783, 37.6045, 34.7670

Complementary

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



24.2732, 37.6045, 8.0769



15.7725, 8.3210, 45.5767

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.



59.9844, 37.6045, 72.6492



24.2732, 37.6045, 8.0769



38.0664, 37.6045, 141.8573

Square

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



24.2732, 37.6045, 8.0769



20.6480, 37.6045, 90.4822



50.3511, 37.6045, 116.7120



56.8276, 37.6045, 13.8924

Rectangle

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



24.2732, 37.6045, 8.0769



17.9027, 37.6045, 36.5827



50.3511, 37.6045, 116.7120



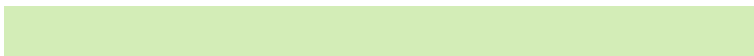
62.6666, 37.6045, 45.6408

Sweetspot

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



24.2741, 37.6061, 8.0777



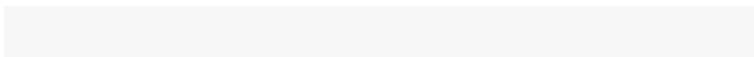
65.5960, 77.8541, 56.1548



25.4667, 21.3019, 4.8678



14.0459, 16.9892, 11.4049



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2741, 37.6061, 8.0777



39.6276, 65.4383, 11.0563



18.3466, 34.5504, 7.8003



9.3187, 10.2810, 9.6002



15.1180, 25.3299, 4.0924



0.6041, 0.9296, 0.1476

Inverse Universe

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



15.7725, 8.3210, 45.5767



23.7822, 10.7803, 81.0631



28.3119, 14.7853, 46.1635



8.9253, 8.9279, 11.3323



8.9107, 3.9048, 31.5371



0.3856, 0.1745, 1.1151

Previews

White Background



This preview shows how the XYZ color 24.2732, 37.6045, 8.0769 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 24.2732, 37.6045, 8.0769 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 24.2732, 37.6045, 8.0769

Background



This preview shows how black text looks on a background with the XYZ color 24.2732, 37.6045, 8.0769.



This preview shows how white text looks on a background with the XYZ color 24.2732, 37.6045,

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

24.2732, 37.6045, 8.0769

Protanopia

33.7812, 37.3519, 7.0983

Deuteranopia

37.7079, 37.0131, 8.5250



Tritanopia

32.8875, 37.5731, 50.8664

Trichromacy



Original Color
24.2732, 37.6045, 8.0769



Protanomaly
29.4005, 37.0159, 7.4289



Deuteranomaly
31.2039, 36.2648, 8.2609

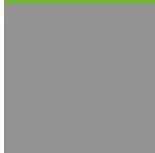


Tritanomaly
28.0990, 36.7615, 27.4445

Monochromacy



Original Color
24.2732, 37.6045, 8.0769



Achromatopsia
27.3213, 28.7441, 31.3023



Achromatomaly
24.9364, 30.9473, 18.8465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2732, 37.6045, 8.0769 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(114, 183, 41)` looks like.

```
.text, #text, p{  
    color:rgb(114, 183, 41)  
}
```

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(114, 183, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 183, 41) }
```

Border

The CSS property to change the border of an element to XYZ 24.2732, 37.6045, 8.0769 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(114, 183, 41) }
```


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

```
.border{ border-color:rgb(114, 183, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 183, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 183, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 183, 41);  
box-shadow:4px 4px 4px 4px rgb(114, 183,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2732, 37.6045, 8.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 183, 41) }
```

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

```
.background{ background-color: rgb(114,  
183, 41) }
```

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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