

Converting Colors

XYZ(32.4405, 51.6317, 10.1754)

Have a look what the booklet for
XYZ(32.4405, 51.6317, 10.1754)
contains.

XYZ(32.3671, 51.5934, 10.1721)	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(32.3671, 51.5934,
10.1721)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD427
RGB	125, 212, 39
RGB Percent	49%, 83%, 15%
CMY	0.5098, 0.1686, 0.8470
CMYK	0.41, 0.00, 0.82, 0.17
HSL	90°, 69%, 49%
HSV	90°, 82%, 83%
XYZ	32.3671, 51.5934, 10.1721
YIQ	166.2650, 3.6810, -72.2470

Conversions

Conversions Part 2

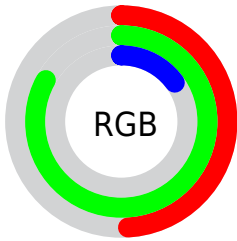
Format	Color
RYB	39, 212, 126
Decimal	8246311
CIELab	77.04, -51.86, 69.66
CIELCh	77, 86.844, 126.668
Yxy	51.5934, 0.3438, 0.5481
Android (android.graphics.Color)	4286436391 (0xFF7DD427)
YUV	166.2650, -62.7416, -36.1894
Hunter-Lab	71.8285, -45.2650, 41.8835

Details

The XYZ color **32.3671, 51.5934, 10.1721** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **21.2163, 10.6420, 63.2262**, and the grayscale version is **36.6685, 38.5781, 42.0116**.

A 20% lighter version of the original color is **57.8274, 82.6304, 24.9580**, and **14.2369, 25.2378, 4.1210** is the 20% darker color. If you saturate the color by 10%, you get **30.6355, 50.7323, 8.7417**, and if you desaturate by 10%, it is **34.4642, 52.6236, 12.6450**.

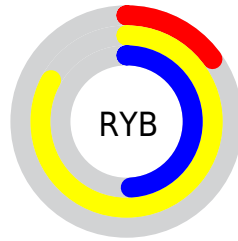
Distribution



Red (49%)

Green (83%)

Blue (15%)



Red (15%)

Yellow (83%)

Blue (49%)

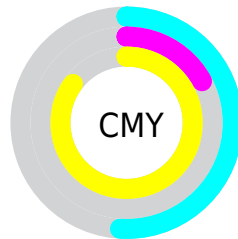


Cyan (41%)

Magenta (0%)

Yellow (82%)

Black (17%)



Cyan (51%)


Magenta (17%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3671, 51.5934, 10.1721 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 32.3671, 51.5934, 10.1721 by changing the saturation by 10% instead.


 32.3671, 51.5934,
10.1721


 32.3671, 51.5934,
10.1721


304.5038,
392.8649, 202.4252

 21.7990, 36.6811,
5.4061


 62.7475, 92.5313,
26.7316

 13.8250, 24.9607,
2.4246


 83.2904, 119.3257,
39.3621


 8.0800, 16.0478,
0.7998

 107.8890,
150.8496, 55.4513

 4.1984, 9.5579,
0.0000

 136.9085,
187.4873, 75.4176

 1.8150, 5.1069,
0.0000

 170.7144,
229.6233, 99.6796

 0.5267, 2.3101,
0.0000

 209.6720,

 0.0000, 0.7790,

277.6420, 128.6559

0.0000

254.1467,
331.9277, 162.7649

■ 0.0000, 0.0000,
0.0000

■ 32.3671, 51.5934,
10.1721

■ 32.3671, 51.5934,
10.1721

■ 30.6355, 50.7323,
8.7417

■ 34.4642, 52.6236,
12.6450

■ 29.4151, 50.1155,
8.1229

■ 36.9570, 53.8302,
16.3079

■ 39.8753, 55.2274,
21.2880

■ 43.2445, 56.8260,
27.6955

■ 47.0879, 58.6357,
35.6287

■ 51.4267, 60.6656,
45.1775

■ 56.2808, 62.9240,
56.4247

■ 61.6688, 65.4190,
69.4474

■ 67.6082, 68.1579,
84.3179

Harmonies

Analogous

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



45.4310, 51.5934, 5.5493



32.3671, 51.5934, 10.1721



25.2160, 51.5934, 27.2344

Triad

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



32.3671, 51.5934, 10.1721



37.4714, 51.5934, 188.5060



87.9753, 51.5934, 46.2341

Complementary

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



32.3671, 51.5934, 10.1721



21.2163, 10.6420, 63.2262

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.



84.4939, 51.5934, 100.6157



32.3671, 51.5934, 10.1721



52.8310, 51.5934, 204.2660

Square

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



32.3671, 51.5934, 10.1721



27.6657, 51.5934, 130.1777



70.6297, 51.5934, 165.7432



79.2880, 51.5934, 17.4072

Rectangle

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



32.3671, 51.5934, 10.1721



23.6136, 51.5934, 51.0384



70.6297, 51.5934, 165.7432



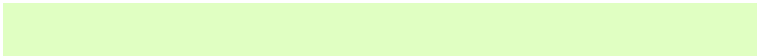
88.2142, 51.5934, 61.6483

Sweetspot

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



32.3683, 51.5956, 10.1732



76.2840, 91.2886, 64.5211



34.9170, 28.9401, 5.6659



15.8169, 19.3005, 12.6822



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.



32.3683, 51.5956, 10.1732



44.8894, 76.2232, 12.4931



24.7480, 47.6672, 9.8166



12.8445, 14.1961, 13.2238



18.2740, 30.9969, 5.0199



1.1977, 1.9188, 0.3072

Inverse Universe

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



21.2163, 10.6420, 63.2262



27.4319, 12.1387, 95.5049



39.7627, 20.2030, 64.0941



12.3318, 12.3125, 15.6641



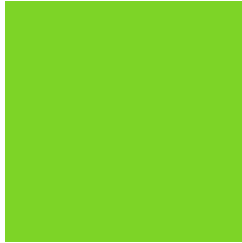
11.1673, 4.9095, 38.8122



0.7690, 0.3453, 2.3454

Previews

White Background



This preview shows how the XYZ color 32.3671, 51.5934, 10.1721 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 32.3671, 51.5934, 10.1721 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 32.3671, 51.5934, 10.1721

Background



This preview shows how black text looks on a background with the XYZ color 32.3671, 51.5934, 10.1721.



This preview shows how white text looks on a background with the XYZ color 32.3671, 51.5934,

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

32.3671, 51.5934, 10.1721

Protanopia

46.1285, 51.0829, 8.8676

Deuteranopia

51.7590, 50.5302, 10.7667



Tritanopia

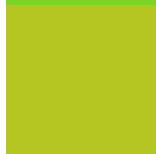
44.3709, 51.1262, 70.4805

Trichromacy



Original Color

32.3671, 51.5934, 10.1721



Protanomaly

39.5535, 50.3333, 9.2207



Deuteranomaly

41.9715, 49.2277, 10.3074



Tritanomaly

37.4408, 50.0185, 36.5354

Monochromacy



Original Color

32.3671, 51.5934, 10.1721



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.0861, 41.8023, 24.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3671, 51.5934, 10.1721 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(125, 212, 39)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 39)  
}
```

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(125, 212, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 39) }
```

Border

The CSS property to change the border of an element to XYZ 32.3671, 51.5934, 10.1721 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(125, 212, 39) }
```


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

```
.border{ border-color:rgb(125, 212, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 39);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3671, 51.5934, 10.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 39) }
```

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

```
.background{ background-color: rgb(125,  
212, 39) }
```

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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