

Converting Colors

XYZ(34.1700, 32.4882, 76.9751)

Have a look what the booklet for
XYZ(34.1700, 32.4882, 76.9751)
contains.

XYZ(34.1377, 32.4251, 77.1325)	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(34.1377, 32.4251,
77.1325)**

Conversions

Conversions Part 1

Format	Color
Hex	8297E3
RGB	130, 151, 227
RGB Percent	51%, 59%, 89%
CMY	0.4902, 0.4078, 0.1098
CMYK	0.43, 0.33, 0.00, 0.11
HSL	227°, 63%, 70%
HSV	227°, 43%, 89%
XYZ	34.1377, 32.4251, 77.1325
YIQ	153.3850, -36.9120, 19.1840

Conversions

Conversions Part 2

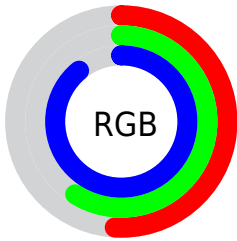
Format	Color
RYB	130, 147, 227
Decimal	8558563
CIELab	63.69, 11.91, -40.89
CIElCh	64, 42.587, 286.243
Yxy	32.4251, 0.2376, 0.2257
Android (android.graphics.Color)	4286748643 (0xFF8297E3)
YUV	153.3850, 36.2922, -20.5086
Hunter-Lab	56.9430, 7.3615, -40.4515

Details

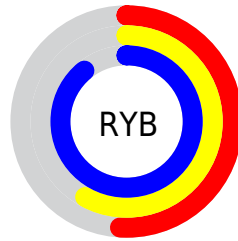
The XYZ color **34.1377, 32.4251, 77.1325** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.7805, 62.0870, 30.0593**, and the grayscale version is **30.3052, 31.8835, 34.7211**.

A 20% lighter version of the original color is **60.1310, 61.3217, 103.2748**, and **14.8095, 13.5505, 40.3630** is the 20% darker color. If you saturate the color by 10%, you get **28.3825, 25.5252, 76.1046**, and if you desaturate by 10%, it is **41.0951, 40.5870, 78.3418**.

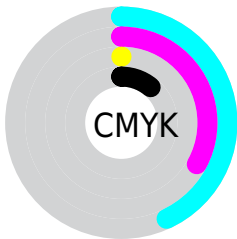
Distribution



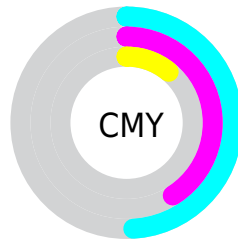
- Red (51%)
- Green (59%)
- Blue (89%)



- Red (51%)
- Yellow (58%)
- Blue (89%)



- Cyan (43%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1377, 32.4251, 77.1325 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 34.1377, 32.4251, 77.1325 by changing the saturation by 10% instead.

■ 34.1377, 32.4251,
77.1325

■ 34.1377, 32.4251,
77.1325

312.3207,
313.0512, 504.6653

■ 23.1628, 21.6864,
56.8494

■ 65.4906, 63.4769,
131.1012

■ 14.8351, 13.6267,
40.4758

■ 86.5993, 84.5588,
165.6239

■ 8.7893, 7.8615,
27.5931

■ 111.8167,
109.8573, 205.7303

■ 4.6600, 4.0064,
17.7828

141.5081,
139.7566, 251.8388

■ 2.0819, 1.6772,
10.6263

176.0388,
174.6413, 304.3680

■ 0.6793, 0.4088,
5.7052

215.7743,

■ 0.0000, 0.0000,

214.8957, 363.7365

2.6008

261.0798,
260.9042, 430.3627

■ 0.0000, 0.0000,
0.8929

■ 0.0000, 0.0000,
0.0000

■ 34.1377, 32.4251,
77.1325

■ 34.1377, 32.4251,
77.1325

■ 28.3825, 25.5252,
76.1046

■ 41.0951, 40.5870,
78.3418

■ 23.7557, 19.8188,
75.2470

■ 49.3156, 50.0673,
79.7384

■ 20.1804, 15.2361,
74.5509

■ 58.8602, 60.9233,
81.3308

■ 17.5680, 11.6981,
74.0057

■ 69.7848, 73.2079,
83.1262

■ 15.8142, 9.1139,
73.5994

■ 82.1421, 86.9710,
85.1314

■ 14.9695, 7.7546,
73.3815

■ 90.8653, 98.3261,
86.8634

Harmonies

Analogous

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



28.1727, 32.4251, 77.7546



34.1377, 32.4251, 77.1325



39.8618, 32.4251, 63.2242

Triad

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



34.1377, 32.4251, 77.1325



39.4459, 32.4251, 16.5064



20.9722, 32.4251, 28.0598

Complementary

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



34.1377, 32.4251, 77.1325



57.7805, 62.0870, 30.0593

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.



23.2591, 32.4251, 17.1203



34.1377, 32.4251, 77.1325



33.6262, 32.4251, 12.0552

Square

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



34.1377, 32.4251, 77.1325



43.1861, 32.4251, 26.8963



27.7228, 32.4251, 12.2361



21.0719, 32.4251, 45.3066

Rectangle

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



34.1377, 32.4251, 77.1325



42.5459, 32.4251, 50.2509



27.7228, 32.4251, 12.2361



21.4732, 32.4251, 23.6627

Sweetspot

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



34.1389, 32.4263, 77.1333



76.1549, 78.7791, 105.7998



47.8147, 64.1404, 68.2432



15.6798, 16.1592, 22.5426



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.



34.1389, 32.4263, 77.1333



37.9083, 34.3925, 99.2482



35.8483, 28.7298, 76.3297



13.8345, 14.3904, 18.1928



8.8000, 4.6621, 42.8192



0.7177, 0.4793, 3.1867

Inverse Universe

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



45.2482, 34.5320, 33.5597



54.3256, 38.2179, 34.6953



55.1899, 68.7637, 31.4846



14.5041, 14.4188, 15.5887



18.8353, 9.6684, 2.7619



1.4259, 0.7281, 0.3832

Previews

White Background



This preview shows how the XYZ color 34.1377, 32.4251, 77.1325 looks on a white background.

Color Contrast Check

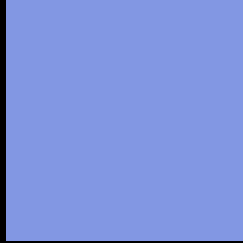
Large Text (above 18pt) WCAG AA × Fail

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 34.1377, 32.4251, 77.1325 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 34.1377, 32.4251, 77.1325

Background



This preview shows how black text looks on a background with the XYZ color 34.1377, 32.4251, 77.1325.



This preview shows how white text looks on a background with the XYZ color 34.1377, 32.4251,

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

34.1377, 32.4251, 77.1325

Protanopia

33.8338, 32.2685, 77.1182

Deuteranopia

33.4247, 32.5395, 77.1921



Tritanopia

27.5873, 32.2587, 44.8170

Trichromacy



Original Color

34.1377, 32.4251, 77.1325

Protanomaly

33.9850, 32.3464, 77.1253

Deuteranomaly

33.6975, 32.4381, 77.1582

Tritanomaly

29.5678, 32.0291, 55.0759

Monochromacy



Original Color

34.1377, 32.4251, 77.1325

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1435, 31.7715, 47.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1377, 32.4251, 77.1325 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(130, 151, 227)` looks like.

```
.text, #text, p{  
    color:rgb(130, 151, 227)  
}
```

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(130, 151, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 151, 227) }
```

Border

The CSS property to change the border of an element to XYZ 34.1377, 32.4251, 77.1325 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(130, 151, 227) }
```


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

```
.border{ border-color:rgb(130, 151, 227) }
```

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

Here you see how a box with a 4 pixel rgb(130, 151, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 151, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 151, 227);  
box-shadow:4px 4px 4px 4px rgb(130, 151,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1377, 32.4251, 77.1325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 151, 227) }
```

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

```
.background{ background-color: rgb(130,  
151, 227) }
```

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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