

Converting Colors

XYZ(30.8006, 33.1832, 52.1243)

Have a look what the booklet for
XYZ(30.8006, 33.1832, 52.1243)
contains.

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Color

**XYZ(30.8353, 33.2524,
52.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	839FBC
RGB	131, 159, 188
RGB Percent	51%, 62%, 74%
CMY	0.4863, 0.3765, 0.2627
CMYK	0.30, 0.15, 0.00, 0.26
HSL	211°, 30%, 63%
HSV	211°, 30%, 74%
XYZ	30.8353, 33.2524, 52.3701
YIQ	153.9340, -25.9970, 3.0830

Conversions

Conversions Part 2

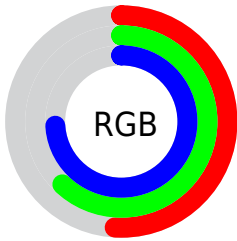
Format	Color
R_{YB}	131, 150, 188
Decimal	8626108
CIE _{Lab}	64.36, -2.84, -18.14
CIE _{LCh}	64, 18.361, 261.113
Yxy	33.2524, 0.2648, 0.2855
Android (android.graphics.Color)	4286816188 (0xFF839FBC)
YUV	153.9340, 16.7945, -20.1131
Hunter-Lab	57.6649, -5.4638, -13.4806

Details

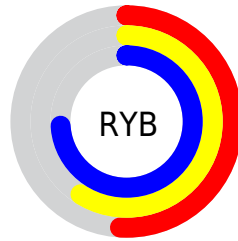
The XYZ color **30.8353, 33.2524, 52.3701** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.4071, 37.4720, 26.7349**, and the grayscale version is **30.6239, 32.2187, 35.0862**.

A 20% lighter version of the original color is **60.3833, 64.9391, 94.9399**, and **13.0440, 14.1799, 24.9712** is the 20% darker color. If you saturate the color by 10%, you get **26.6021, 28.7229, 51.7195**, and if you desaturate by 10%, it is **35.7263, 38.3115, 53.0894**.

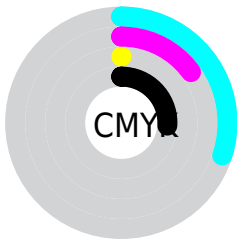
Distribution



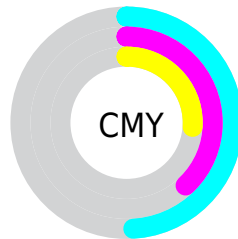
- Red (51%)
- Green (62%)
- Blue (74%)



- Red (51%)
- Yellow (59%)
- Blue (74%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)



- Cyan (49%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8353, 33.2524, 52.3701 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 30.8353, 33.2524, 52.3701 by changing the saturation by 10% instead.

■ 30.8353, 33.2524,
52.3701

■ 30.8353, 33.2524,
52.3701

297.6193,
316.7855, 412.8613

■ 20.6247, 22.3199,
36.9159

■ 60.3583, 64.7694,
95.1090

■ 12.9608, 14.0921,
24.8471

■ 80.4014, 86.1226,
123.2307

■ 7.4784, 8.1848,
15.7452

■ 104.4526,
111.7182, 156.4120

■ 3.8120, 4.2134,
9.1916

132.8774,
141.9406, 195.0714

■ 1.5963, 1.7936,
4.7679

166.0411,
177.1741, 239.6276

■ 0.3900, 0.4832,
2.0554

204.3091,

■ 0.0000, 0.0000,

217.8032, 290.4989

0.5890

248.0467,
264.2122, 348.1039

■ 0.0000, 0.0000,
0.0000

■ 30.8353, 33.2524,
52.3701

■ 30.8353, 33.2524,
52.3701

■ 26.6021, 28.7229,
51.7195

■ 35.7263, 38.3115,
53.0894

■ 22.9919, 24.6985,
51.1330

■ 41.3010, 43.9154,
53.8772

■ 19.9717, 21.1585,
50.6089

■ 47.5879, 50.0835,
54.7364

■ 17.5035, 18.0788,
50.1445

■ 54.6128, 56.8330,
55.6690

■ 15.5444, 15.4325,
49.7370

■ 62.4001, 64.1802,
56.6767

■ 14.0442, 13.1888,
49.3830

■ 70.9731, 72.1407,
57.7614

■ 12.9352, 11.3469,
49.0859

■ 77.5013, 79.2590,
58.7913

■ 80.1745, 84.6054,
59.6823

■ 82.9950, 90.2465,
60.6225

Harmonies

Analogous

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



28.5541, 33.2524, 48.6053



30.8353, 33.2524, 52.3701



33.4505, 33.2524, 51.3619

Triad

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



30.8353, 33.2524, 52.3701



36.5295, 33.2524, 31.2651



27.8526, 33.2524, 27.9009

Complementary

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



30.8353, 33.2524, 52.3701



37.4071, 37.4720, 26.7349

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.



29.8294, 33.2524, 24.3703



30.8353, 33.2524, 52.3701



34.8667, 33.2524, 26.1184

Square

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



30.8353, 33.2524, 52.3701



36.8355, 33.2524, 38.4757



32.3882, 33.2524, 23.7660



26.8954, 33.2524, 34.0277

Rectangle

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



30.8353, 33.2524, 52.3701



35.0266, 33.2524, 48.1693



32.3882, 33.2524, 23.7660



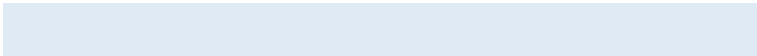
28.4146, 33.2524, 26.4085

Sweetspot

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



30.8363, 33.2537, 52.3709



76.1175, 80.8447, 97.8190



33.6456, 43.3130, 39.6166



16.0302, 17.0496, 20.9886



90.7827, 95.5105, 104.0109



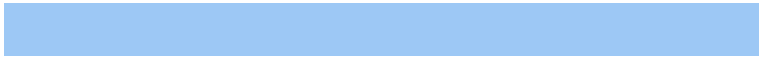
18.6292, 19.5994, 21.3438

Same Dimension

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



30.8363, 33.2537, 52.3709



50.9378, 55.0078, 94.1591



26.5543, 24.6897, 50.9435



9.3930, 9.9784, 12.1032



8.8809, 7.8736, 33.4446



0.4134, 0.4394, 1.3319

Inverse Universe

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



35.1142, 29.4281, 36.6318



60.0092, 47.5481, 60.6370



42.8196, 48.2971, 28.5391



9.7202, 9.6124, 10.9158



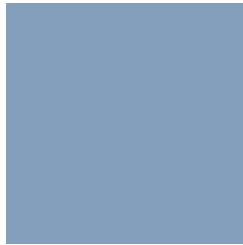
15.4835, 7.8245, 7.8395



0.6396, 0.3197, 0.4811

Previews

White Background



This preview shows how the XYZ color 30.8353, 33.2524, 52.3701 looks on a white background.

Color Contrast Check

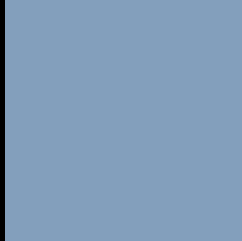
Large Text (above 18pt) WCAG AA × Fail

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 30.8353, 33.2524, 52.3701 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

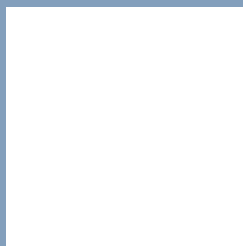
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8353, 33.2524, 52.3701

Background



This preview shows how black text looks on a background with the XYZ color 30.8353, 33.2524, 52.3701.



This preview shows how white text looks on a background with the XYZ color 30.8353, 33.2524,

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

30.8353, 33.2524, 52.3701

Protanopia

32.7070, 33.0035, 50.5454

Deuteranopia

33.7400, 33.0006, 52.7356



Tritanopia

29.2869, 33.1349, 44.8965

Trichromacy



Original Color

30.8353, 33.2524, 52.3701

Protanomaly

31.9067, 33.0729, 51.1564

Deuteranomaly

32.7607, 33.2278, 52.8310

Tritanomaly

29.7607, 33.0634, 47.4611

Monochromacy



Original Color

30.8353, 33.2524, 52.3701

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6255, 32.6411, 40.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8353, 33.2524, 52.3701 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(131, 159, 188)` looks like.

```
.text, #text, p{  
    color:rgb(131, 159, 188)  
}
```

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(131, 159, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 159, 188) }
```

Border

The CSS property to change the border of an element to XYZ 30.8353, 33.2524, 52.3701 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(131, 159, 188) }
```


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

```
.border{ border-color:rgb(131, 159, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 159, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 159, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 159, 188);  
box-shadow:4px 4px 4px 4px rgb(131, 159,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8353, 33.2524, 52.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 159, 188) }
```

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

```
.background{ background-color: rgb(131,  
159, 188) }
```

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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