

Converting Colors

XYZ(51.6759, 53.4854, 84.0666)

Have a look what the booklet for
XYZ(51.6759, 53.4854, 84.0666)
contains.

XYZ(51.7618, 53.6399, 83.9693)	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(51.7618, 53.6399,
83.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C2E8
RGB	176, 194, 232
RGB Percent	69%, 76%, 91%
CMY	0.3098, 0.2392, 0.0902
CMYK	0.24, 0.16, 0.00, 0.09
HSL	221°, 55%, 80%
HSV	221°, 24%, 91%
XYZ	51.7618, 53.6399, 83.9693
YIQ	192.9500, -22.9260, 8.0020

Conversions

Conversions Part 2

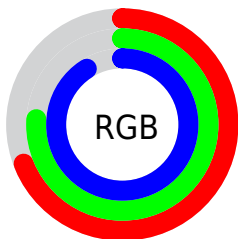
Format	Color
R_{YB}	176, 190, 232
Decimal	11584232
CIE _{Lab}	78.25, 2.06, -20.91
CIE _{LCh}	78, 21.006, 275.622
Yxy	53.6399, 0.2733, 0.2833
Android (android.graphics.Color)	4289774312 (0xFFB0C2E8)
YUV	192.9500, 19.2516, -14.8652
Hunter-Lab	73.2393, -2.0140, -16.7089

Details

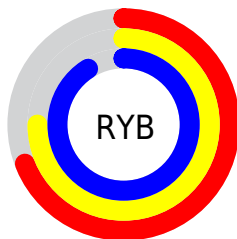
The XYZ color **51.7618, 53.6399, 83.9693** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.1624, 68.3839, 50.8408**, and the grayscale version is **50.5607, 53.1938, 57.9281**.

A 20% lighter version of the original color is **85.5143, 92.7470, 108.0026**, and **25.3874, 26.3219, 44.8169** is the 20% darker color. If you saturate the color by 10%, you get **43.6379, 44.5244, 82.6389**, and if you desaturate by 10%, it is **61.1567, 63.9641, 85.4678**.

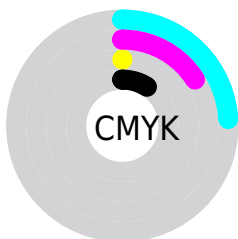
Distribution



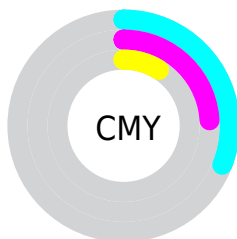
- Red (69%)
- Green (76%)
- Blue (91%)



- Red (69%)
- Yellow (75%)
- Blue (91%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7618, 53.6399, 83.9693 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 51.7618, 53.6399, 83.9693 by changing the saturation by 10% instead.

■ 51.7618, 53.6399,
83.9693

■ 51.7618, 53.6399,
83.9693

383.8554,
400.7353, 528.2667

■ 37.0387, 38.3138,
62.4448

■ 91.9562, 95.5453,
140.7936

■ 25.4113, 26.2264,
44.9541

118.1582,
122.8935, 176.9305

■ 16.5141, 16.9931,
31.0786

148.9172,
155.0178, 218.7753

■ 9.9818, 10.2295,
20.3998

184.5987,
192.3026, 266.7465

■ 5.4491, 5.5514,
12.4990

225.5678,
235.1324, 321.2627

■ 2.5505, 2.5743,
6.9578

272.1901,

■ 0.9208, 0.9138,

283.8915, 382.7425

3.3577

324.8309,
338.9644, 451.6043

■ 0.0000, 0.0000,
1.2800

■ 0.0000, 0.0000,
0.0454

■ 51.7618, 53.6399,
83.9693

■ 51.7618, 53.6399,
83.9693

■ 43.6379, 44.5244,
82.6389

■ 61.1567, 63.9641,
85.4678

■ 36.7228, 36.5648,
81.4670

■ 71.8709, 75.5345,
87.1364

■ 30.9566, 29.7134,
80.4485

■ 83.9563, 88.3947,
88.9817

■ 26.2718, 23.9165,
79.5765

■ 91.5657, 98.6063,
90.5517

■ 22.5934, 19.1153,
78.8436

■ 19.8357, 15.2443,
78.2418

■ 17.8961, 12.2274,
77.7617

■ 17.0533, 10.8015,
77.5309

Harmonies

Analogous

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



47.7880, 53.6399, 81.5591



51.7618, 53.6399, 83.9693



55.7294, 53.6399, 78.8183

Triad

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



51.7618, 53.6399, 83.9693



57.6858, 53.6399, 46.1812



44.1136, 53.6399, 49.5460

Complementary

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



51.7618, 53.6399, 83.9693



65.1624, 68.3839, 50.8408

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.



46.5142, 53.6399, 41.8604



51.7618, 53.6399, 83.9693



54.3176, 53.6399, 40.1084

Square

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



51.7618, 53.6399, 83.9693



59.2656, 53.6399, 56.2139



50.2123, 53.6399, 38.6396



43.5107, 53.6399, 60.6518

Rectangle

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



51.7618, 53.6399, 83.9693



57.7928, 53.6399, 72.1499



50.2123, 53.6399, 38.6396



44.7306, 53.6399, 46.5265

Sweetspot

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



51.7635, 53.6421, 83.9705



85.0423, 89.2845, 107.3592



58.8149, 71.7655, 73.9262



18.0262, 18.9207, 22.9519



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.



51.7635, 53.6421, 83.9705



58.9065, 60.6273, 103.2053



50.1803, 47.2342, 82.8171



13.9592, 14.6397, 18.2344



9.5682, 6.1985, 43.0753



0.7887, 0.6214, 3.2103

Inverse Universe

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



58.5430, 52.1030, 58.0126



68.7720, 58.7273, 65.3557



67.0230, 76.4839, 52.3062



14.5670, 14.4440, 15.9201



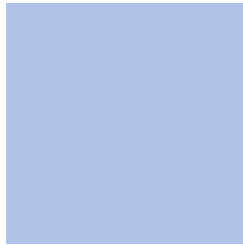
19.2231, 9.8235, 4.8038



1.4617, 0.7424, 0.5721

Previews

White Background



This preview shows how the XYZ color 51.7618, 53.6399, 83.9693 looks on a white background.

Color Contrast Check

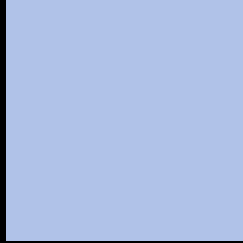
Large Text (above 18pt) WCAG AA × Fail

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 51.7618, 53.6399, 83.9693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

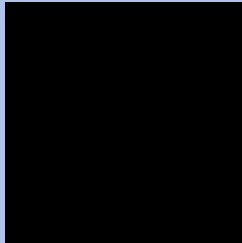
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7618, 53.6399, 83.9693

Background



This preview shows how black text looks on a background with the XYZ color 51.7618, 53.6399, 83.9693.



This preview shows how white text looks on a background with the XYZ color 51.7618, 53.6399,

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

51.7618, 53.6399, 83.9693

Protanopia

53.1401, 53.7267, 82.4324

Deuteranopia

54.6438, 53.4849, 84.5344



Tritanopia

48.9898, 53.5073, 70.6967

Trichromacy



Original Color

51.7618, 53.6399, 83.9693

Protanomaly

52.7852, 53.8545, 83.2142

Deuteranomaly

53.5885, 53.5839, 84.6091

Tritanomaly

49.8918, 53.5314, 75.4132

Monochromacy



Original Color

51.7618, 53.6399, 83.9693

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.8260, 53.2097, 66.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7618, 53.6399, 83.9693 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(176, 194, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 194, 232)  
}
```

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(176, 194, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 194, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.7618, 53.6399, 83.9693 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(176, 194, 232) }
```


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

```
.border{ border-color:rgb(176, 194, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 194, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 194, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 194, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 194,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7618, 53.6399, 83.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 194, 232) }
```

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

```
.background{ background-color: rgb(176,  
194, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor