

Converting Colors

XYZ(51.3020, 53.3027, 88.4735)

Have a look what the booklet for XYZ(51.3020, 53.3027, 88.4735) contains.

- XYZ(51.3020, 53.3027, 88.4735) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(51.3020, 53.3027,
88.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC2EE
RGB	170, 194, 238
RGB Percent	67%, 76%, 93%
CMY	0.3333, 0.2392, 0.0667
CMYK	0.29, 0.18, 0.00, 0.07
HSL	219°, 67%, 80%
HSV	219°, 29%, 93%
XYZ	51.3020, 53.3027, 88.4735
YIQ	191.8400, -28.4280, 8.5960

Conversions

Conversions Part 2

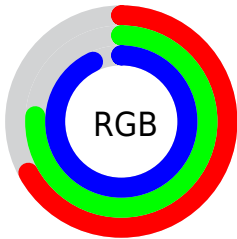
Format	Color
RYB	170, 188, 238
Decimal	11191022
CIELab	78.05, 1.70, -24.47
CIELCh	78, 24.528, 273.970
Yxy	53.3027, 0.2657, 0.2761
Android (android.graphics.Color)	4289381102 (0xFFAAC2EE)
YUV	191.8400, 22.7569, -19.1537
Hunter-Lab	73.0087, -2.3362, -20.7428

Details

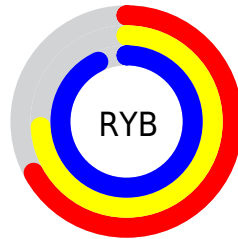
The XYZ color **51.3020, 53.3027, 88.4735** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.5630, 69.1732, 47.8753**, and the grayscale version is **49.8944, 52.4928, 57.1647**.

A 20% lighter version of the original color is **83.5996, 91.7600, 107.9130**, and **25.1708, 26.1402, 47.9749** is the 20% darker color. If you saturate the color by 10%, you get **43.3639, 44.3845, 87.1714**, and if you desaturate by 10%, it is **60.5301, 63.4156, 89.9400**.

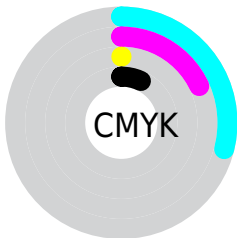
Distribution



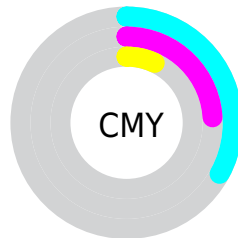
- Red (67%)
- Green (76%)
- Blue (93%)



- Red (67%)
- Yellow (74%)
- Blue (93%)



- Cyan (29%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3020, 53.3027, 88.4735 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 51.3020, 53.3027, 88.4735 by changing the saturation by 10% instead.

■ 51.3020, 53.3027,
88.4735

■ 51.3020, 53.3027,
88.4735

382.1043,
399.4454, 543.4940

■ 36.6710, 38.0445,
66.1487

■ 91.2814, 95.0496,
147.1331

■ 25.1254, 26.0172,
47.9359

117.3605,
122.3071, 184.3050

■ 16.2997, 16.8365,
33.4165

147.9863,
154.3332, 227.2631

■ 9.8287, 10.1180,
22.1720

183.5243,
191.5122, 276.4258

■ 5.3469, 5.4773,
13.7838

224.3397,
234.2285, 332.2117

■ 2.4890, 2.5299,
7.8334

270.7980,

■ 0.8897, 0.8916,

282.8665, 395.0393

3.9023

323.2644,
337.8107, 465.3273

■ 0.0000, 0.0000,
1.5719

■ 0.0000, 0.0000,
0.2706

■ 51.3020, 53.3027,
88.4735

■ 51.3020, 53.3027,
88.4735

■ 43.3639, 44.3845,
87.1714

■ 60.5301, 63.4156,
89.9400

■ 36.6496, 36.6073,
86.0241

■ 71.0998, 74.7615,
91.5729

■ 31.0944, 29.9221,
85.0266

■ 83.0661, 87.3846,
93.3787

■ 26.6254, 24.2737,
84.1719

■ 92.4328, 98.9531,
95.1180

■ 23.1601, 19.6009,
83.4526

■ 20.6029, 15.8344,
82.8603

■ 18.8197, 12.8837,
82.3848

■ 18.6035, 12.5146,
82.3249

Harmonies

Analogous

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



46.7335, 53.3027, 85.0637



51.3020, 53.3027, 88.4735



55.9764, 53.3027, 82.7325

Triad

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



51.3020, 53.3027, 88.4735



58.6778, 53.3027, 44.5309



42.8408, 53.3027, 47.2308

Complementary

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



51.3020, 53.3027, 88.4735



66.5630, 69.1732, 47.8753

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.



45.6962, 53.3027, 38.8220



51.3020, 53.3027, 88.4735



54.8061, 53.3027, 37.4440

Square

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



51.3020, 53.3027, 88.4735



60.4010, 53.3027, 56.2331



50.0286, 53.3027, 35.5302



42.0317, 53.3027, 59.8802

Rectangle

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



51.3020, 53.3027, 88.4735



58.4690, 53.3027, 74.9472



50.0286, 53.3027, 35.5302



43.5840, 53.3027, 43.8843

Sweetspot

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



51.3037, 53.3048, 88.4747



82.5493, 86.7930, 107.0096



59.1721, 74.5038, 74.2584



17.2634, 18.1449, 22.8424



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.



51.3037, 53.3048, 88.4747



54.6632, 56.3794, 102.6090



48.4146, 44.5158, 86.9305



15.3537, 16.1415, 20.0280



10.4889, 7.2020, 45.9652



0.9629, 0.7798, 3.8540

Inverse Universe

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



59.3737, 50.8232, 57.7217



65.5955, 53.4951, 60.8413



70.1232, 80.6995, 49.9125



16.0032, 15.8510, 17.5731



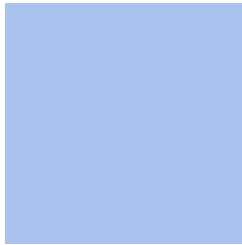
20.6199, 10.5204, 5.9151



1.7610, 0.8934, 0.7322

Previews

White Background



This preview shows how the XYZ color 51.3020, 53.3027, 88.4735 looks on a white background.

Color Contrast Check

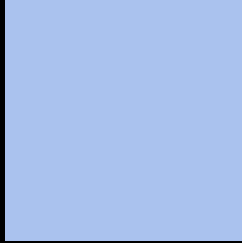
Large Text (above 18pt) WCAG AA × Fail

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 51.3020, 53.3027, 88.4735 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

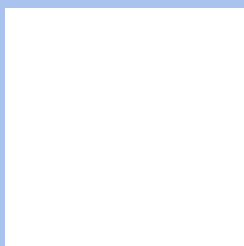
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3020, 53.3027, 88.4735

Background



This preview shows how black text looks on a background with the XYZ color 51.3020, 53.3027, 88.4735.



This preview shows how white text looks on a background with the XYZ color 51.3020, 53.3027,

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

51.3020, 53.3027, 88.4735

Protanopia

53.0625, 53.2628, 86.8409

Deuteranopia

54.5166, 53.3186, 89.0795



Tritanopia

47.8487, 53.2425, 71.3733

Trichromacy



Original Color

51.3020, 53.3027, 88.4735

Protanomaly

52.4958, 53.2787, 87.6378

Deuteranomaly

53.2668, 53.3174, 89.1452

Tritanomaly

49.2219, 53.4757, 77.5396

Monochromacy



Original Color

51.3020, 53.3027, 88.4735

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.3458, 52.9337, 67.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3020, 53.3027, 88.4735 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(170, 194, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 194, 238)  
}
```

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(170, 194, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 238) }
```

Border

The CSS property to change the border of an element to XYZ 51.3020, 53.3027, 88.4735 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(170, 194, 238) }
```


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

```
.border{ border-color:rgb(170, 194, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 194, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3020, 53.3027, 88.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 238) }
```

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

```
.background{ background-color: rgb(170,  
194, 238) }
```

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