

Converting Colors

XYZ(44.9607, 53.2582, 77.0494)

Have a look what the booklet for
XYZ(44.9607, 53.2582, 77.0494)
contains.

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Color

**XYZ(45.0220, 53.3891,
77.0395)**

Conversions

Conversions Part 1

Format	Color
Hex	8ACBDE
RGB	138, 203, 222
RGB Percent	54%, 80%, 87%
CMY	0.4588, 0.2039, 0.1294
CMYK	0.38, 0.09, 0.00, 0.13
HSL	194°, 56%, 71%
HSV	194°, 38%, 87%
XYZ	45.0220, 53.3891, 77.0395
YIQ	185.7310, -44.8390, -7.8710

Conversions

Conversions Part 2

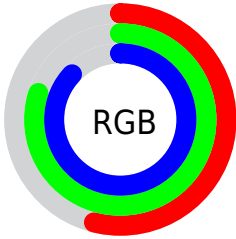
Format	Color
R _{YB}	138, 175, 222
Decimal	9096158
CIE _{Lab}	78.10, -15.86, -15.97
CIE _{LCh}	78, 22.506, 225.194
Yxy	53.3891, 0.2566, 0.3043
Android (android.graphics.Color)	4287286238 (0xFF8ACBDE)
YUV	185.7310, 17.8806, -41.8601
Hunter-Lab	73.0678, -17.8829, -11.3653

Details

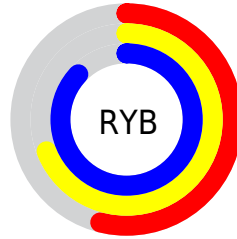
The XYZ color **45.0220, 53.3891, 77.0395** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7695, 41.4793, 29.5874**, and the grayscale version is **46.4442, 48.8629, 53.2117**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **21.2898, 26.1239, 40.4795** is the 20% darker color. If you saturate the color by 10%, you get **40.5515, 49.3538, 76.4972**, and if you desaturate by 10%, it is **50.2849, 57.8924, 77.6323**.

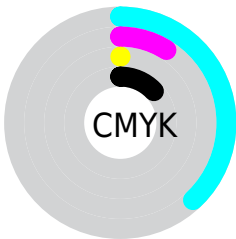
Distribution



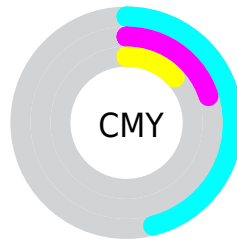
- Red (54%)
- Green (80%)
- Blue (87%)



- Red (54%)
- Yellow (69%)
- Blue (87%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (46%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0220, 53.3891, 77.0395 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 45.0220, 53.3891, 77.0395 by changing the saturation by 10% instead.

■ 45.0220, 53.3891,
77.0395

■ 45.0220, 53.3891,
77.0395

357.6448,
399.7762, 504.3399

■ 31.6761, 38.1135,
56.7735

■ 81.9903, 95.1767,
130.9688

■ 21.2686, 26.0708,
40.4153

■ 106.3434,
122.4574, 165.4691

■ 13.4340, 16.8766,
27.5462

■ 135.0963,
154.5087, 205.5514

■ 7.8072, 10.1465,
17.7478

168.6143,
191.7148, 251.6341

■ 4.0226, 5.4962,
10.6015

207.2628,
234.4602, 304.1358

■ 1.7149, 2.5413,
5.6888

251.4072,

■ 0.4656, 0.8972,

283.1293, 363.4749

2.5911

301.4127,
338.1065, 430.0701

■ 0.0000, 0.0000,
0.8878

■ 0.0000, 0.0000,
0.0000

■ 45.0220, 53.3891,
77.0395

■ 45.0220, 53.3891,
77.0395

■ 40.5515, 49.3538,
76.4972

■ 50.2849, 57.8924,
77.6323

■ 36.8220, 45.7558,
75.9992

■ 56.3777, 62.8798,
78.2738

■ 33.7838, 42.5700,
75.5445

■ 63.3414, 68.3743,
78.9673

■ 31.3784, 39.7659,
75.1300

■ 71.2129, 74.3953,
79.7146

■ 29.5373, 37.3075,
74.7525

■ 80.0268, 80.9611,
80.5174

■ 28.1652, 35.1453,
74.4075

■ 83.6006, 84.8852,
81.0865

■ 27.8979, 34.6997,
74.3356

■ 85.0434, 87.7708,
81.5674

■ 86.5270, 90.7379,
82.0619

■ 88.0516, 93.7873,
82.5702

Harmonies

Analogous

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



43.0220, 53.3891, 64.7051



45.0220, 53.3891, 77.0395



48.6167, 53.3891, 84.7958

Triad

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



45.0220, 53.3891, 77.0395



59.3569, 53.3891, 64.5352



48.5630, 53.3891, 37.7722

Complementary

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



45.0220, 53.3891, 77.0395



46.7695, 41.4793, 29.5874

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.



52.9340, 53.3891, 37.7403



45.0220, 53.3891, 77.0395



59.3404, 53.3891, 52.0192

Square

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



45.0220, 53.3891, 77.0395



56.9767, 53.3891, 76.8997



56.9330, 53.3891, 42.6021



44.9846, 53.3891, 42.6964

Rectangle

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



45.0220, 53.3891, 77.0395



51.5133, 53.3891, 85.7043



56.9330, 53.3891, 42.6021



49.9839, 53.3891, 37.2151

Sweetspot

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



45.0236, 53.3912, 77.0407



83.4822, 91.0816, 107.7883



42.6215, 60.0541, 40.8880



17.5861, 19.2731, 23.0431



0.0000, 0.0000, 0.0000



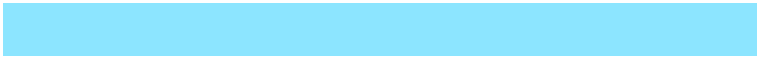
20.3446, 21.4041, 23.3091

Same Dimension

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



45.0236, 53.3912, 77.0407



56.9397, 68.8819, 104.9022



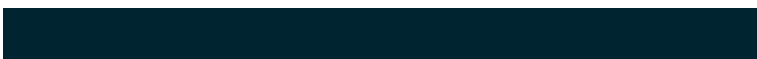
36.5525, 36.4489, 74.2170



13.8399, 15.0190, 17.5572



16.6576, 20.7848, 44.1823



1.2198, 1.5711, 3.0842

Inverse Universe

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



49.9936, 38.0198, 61.2058



64.8041, 45.7491, 79.5781



54.9526, 57.8455, 32.3151



14.1554, 13.8798, 16.5887



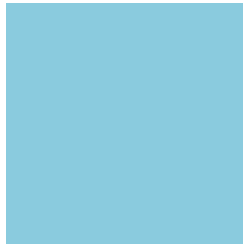
22.3482, 11.0063, 24.2971



1.5820, 0.7761, 1.8575

Previews

White Background



This preview shows how the XYZ color 45.0220, 53.3891, 77.0395 looks on a white background.

Color Contrast Check

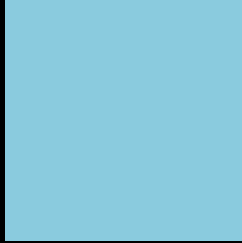
Large Text (above 18pt) WCAG AA × Fail

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 45.0220, 53.3891, 77.0395 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 45.0220, 53.3891, 77.0395

Background



This preview shows how black text looks on a background with the XYZ color 45.0220, 53.3891, 77.0395.



This preview shows how white text looks on a background with the XYZ color 45.0220, 53.3891,

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

45.0220, 53.3891, 77.0395

Protanopia

51.7547, 52.9355, 71.1081

Deuteranopia

54.0795, 53.0048, 78.6148



Tritanopia

44.5907, 53.1975, 75.6281

Trichromacy



Original Color

45.0220, 53.3891, 77.0395

Protanomaly

48.6171, 52.5860, 73.2334

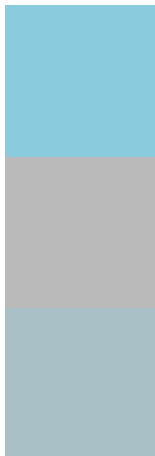
Deuteranomaly

49.9801, 52.5204, 78.0242

Tritanomaly

44.7236, 53.2507, 76.3278

Monochromacy



Original Color

45.0220, 53.3891, 77.0395

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.5206, 50.2578, 61.3344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0220, 53.3891, 77.0395 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(138, 203, 222)` looks like.

```
.text, #text, p{  
    color:rgb(138, 203, 222)  
}
```

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(138, 203, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 203, 222) }
```

Border

The CSS property to change the border of an element to XYZ 45.0220, 53.3891, 77.0395 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(138, 203, 222) }
```


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

```
.border{ border-color:rgb(138, 203, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 203, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 203, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 203, 222);  
box-shadow:4px 4px 4px 4px rgb(138, 203,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0220, 53.3891, 77.0395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 203, 222) }
```

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

```
.background{ background-color: rgb(138,  
203, 222) }
```

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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