

Converting Colors

XYZ(50.9250, 69.0391, 70.3164)

Have a look what the booklet for
XYZ(50.9250, 69.0391, 70.3164)
contains.

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Color

**XYZ(50.9250, 69.0391,
70.3164)**

Conversions

Conversions Part 1

Format	Color
Hex	86EBD0
RGB	134, 235, 208
RGB Percent	53%, 92%, 82%
CMY	0.4745, 0.0784, 0.1843
CMYK	0.43, 0.00, 0.11, 0.08
HSL	164°, 72%, 72%
HSV	164°, 43%, 92%
XYZ	50.9250, 69.0391, 70.3164
YIQ	201.7230, -51.5290, -29.8090

Conversions

Conversions Part 2

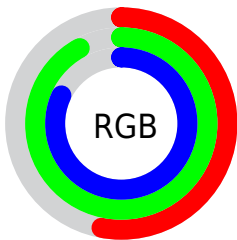
Format	Color
RYB	134, 192, 235
Decimal	8842192
CIELab	86.52, -35.81, 3.89
CIElCh	87, 36.021, 173.799
Yxy	69.0391, 0.2676, 0.3628
Android (android.graphics.Color)	4287032272 (0xFF86EBD0)
YUV	201.7230, 3.0946, -59.3931
Hunter-Lab	83.0898, -36.0060, 7.9875

Details

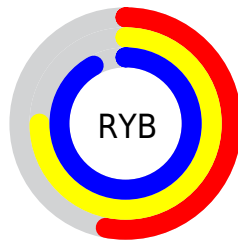
The XYZ color **50.9250, 69.0391, 70.3164** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2214, 37.2873, 38.3236**, and the grayscale version is **55.9723, 58.8873, 64.1282**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **25.0134, 36.1511, 36.2314** is the 20% darker color. If you saturate the color by 10%, you get **46.8301, 67.0174, 66.1703**, and if you desaturate by 10%, it is **55.8866, 71.5076, 74.6659**.

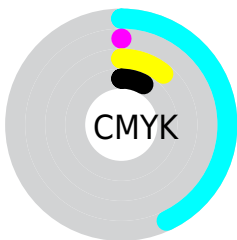
Distribution



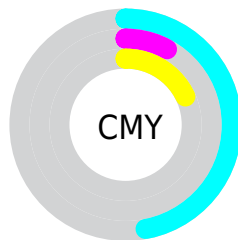
- Red (53%)
- Green (92%)
- Blue (82%)



- Red (53%)
- Yellow (75%)
- Blue (92%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)





- Cyan (47%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9250, 69.0391, 70.3164 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 50.9250, 69.0391, 70.3164 by changing the saturation by 10% instead.


 50.9250, 69.0391,
70.3164


 50.9250, 69.0391,
70.3164


380.6648,
457.1689, 480.4793


 36.3697, 50.7436,
51.3061


 90.7276, 117.8374,
121.3452

 24.8913, 36.0046,
36.0739


 116.7055,
149.1090, 154.2008

 16.1244, 24.4377,
24.2011


 147.2218,
185.4747, 192.5086

 9.7036, 15.6586,
15.2693

182.6417,
227.3189, 236.6871

 5.2637, 9.2829,
8.8599

223.3306,
275.0260, 287.1549

 2.4391, 4.9262,
4.5543

269.6538,

 0.8647, 2.2040,

328.9805, 344.3305

1.9341

321.9768,
389.5666, 408.6324

■ 0.0000, 0.7222,
0.5143

■ 0.0000, 0.0000,
0.0000

■ 50.9250, 69.0391,
70.3164

■ 50.9250, 69.0391,
70.3164

■ 46.8301, 67.0174,
66.1703

■ 55.8866, 71.5076,
74.6659

■ 43.5400, 65.4054,
62.2185


■ 61.7601, 74.4408,
79.2182


■ 40.9936, 64.1733,
58.4576


■ 68.5943, 77.8657,
83.9790


■ 39.1185, 63.2838,
54.8825

■ 76.4329, 81.8047,
88.9519


 37.8267, 62.6917,
51.4870

 85.3169, 86.2789,
94.1406

 37.1729, 62.4045,
49.2047

 87.5379, 87.3145,
99.1860

 88.5173, 87.7062,
104.3436

 88.9996, 87.8991,
106.8832

Harmonies

Analogous

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



53.5041, 69.0391, 51.1654



50.9250, 69.0391, 70.3164



52.0056, 69.0391, 95.2829

Triad

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



50.9250, 69.0391, 70.3164



72.3101, 69.0391, 125.5464



75.5604, 69.0391, 43.8520

Complementary

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



50.9250, 69.0391, 70.3164



49.2214, 37.2873, 38.3236

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.



81.4236, 69.0391, 58.1106



50.9250, 69.0391, 70.3164



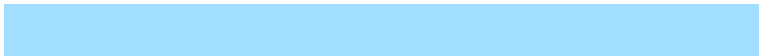
79.4385, 69.0391, 105.7117

Square

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



50.9250, 69.0391, 70.3164



63.9016, 69.0391, 130.7387



82.8996, 69.0391, 80.2458



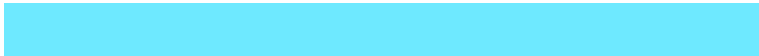
67.3682, 69.0391, 38.1159

Rectangle

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



50.9250, 69.0391, 70.3164



54.7059, 69.0391, 111.6759



82.8996, 69.0391, 80.2458



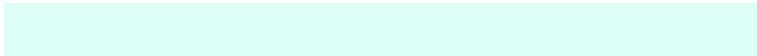
77.8961, 69.0391, 47.6400

Sweetspot

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



50.9269, 69.0419, 70.3180



82.4939, 93.6882, 101.0352



49.0394, 68.8869, 33.2672



17.2453, 19.8465, 21.3492



0.0000, 0.0000, 0.0000



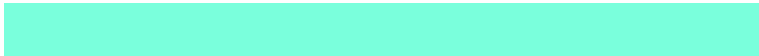
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9269, 69.0419, 70.3180



56.7015, 80.8303, 80.0112



48.6526, 58.7162, 87.3696



15.3358, 17.0491, 18.4511



20.7433, 34.7518, 27.6770



1.6684, 2.7447, 2.3816

Inverse Universe

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



49.2214, 37.2873, 38.3236



54.4074, 37.7410, 36.6974



50.4351, 43.1231, 28.2207



15.2308, 15.1202, 16.5009



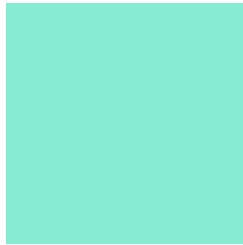
19.6096, 10.0465, 3.7458



1.5787, 0.8044, 0.4989

Previews

White Background



This preview shows how the XYZ color 50.9250, 69.0391, 70.3164 looks on a white background.

Color Contrast Check

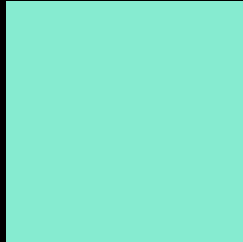
Large Text (above 18pt) WCAG AA × Fail

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 50.9250, 69.0391, 70.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

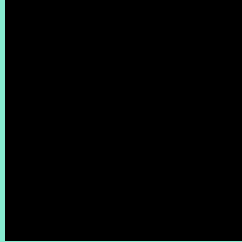
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9250, 69.0391, 70.3164

Background



This preview shows how black text looks on a background with the XYZ color 50.9250, 69.0391, 70.3164.

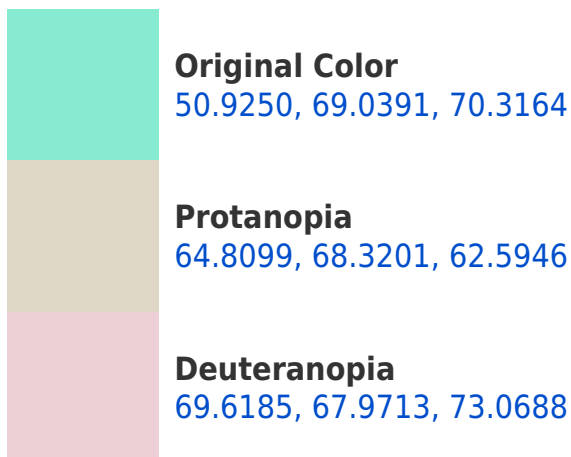


This preview shows how white text looks on a background with the XYZ color 50.9250, 69.0391,

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





Tritanopia

56.6396, 68.8357, 99.1083

Trichromacy



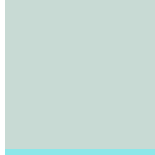
Original Color

50.9250, 69.0391, 70.3164



Protanomaly

58.1497, 67.5360, 65.2293



Deuteranomaly

60.7745, 67.1756, 72.0504



Tritanomaly

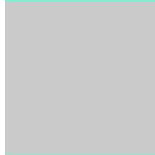
54.2684, 68.6977, 87.4905

Monochromacy



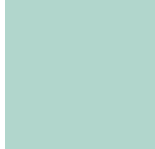
Original Color

50.9250, 69.0391, 70.3164



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.0771, 61.7999, 66.2578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9250, 69.0391, 70.3164 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(134, 235, 208)` looks like.

```
.text, #text, p{  
    color:rgb(134, 235, 208)  
}
```

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(134, 235, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 235, 208) }
```

Border

The CSS property to change the border of an element to XYZ 50.9250, 69.0391, 70.3164 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(134, 235, 208) }
```


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

```
.border{ border-color:rgb(134, 235, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 235, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 235, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 235, 208);  
box-shadow:4px 4px 4px 4px rgb(134, 235,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9250, 69.0391, 70.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 235, 208) }
```

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

```
.background{ background-color: rgb(134,  
235, 208) }
```

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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