

Converting Colors

XYZ(50.4663, 71.3887, 72.9355)

Have a look what the booklet for
XYZ(50.4663, 71.3887, 72.9355)
contains.

XYZ(50.4156, 71.3267, 72.7383)	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(50.4156, 71.3267,
72.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	74F1D3
RGB	116, 241, 211
RGB Percent	45%, 95%, 83%
CMY	0.5451, 0.0549, 0.1725
CMYK	0.52, 0.00, 0.12, 0.05
HSL	166°, 82%, 70%
HSV	166°, 52%, 95%
XYZ	50.4156, 71.3267, 72.7383
YIQ	200.2050, -64.8700, -35.8300

Conversions

Conversions Part 2

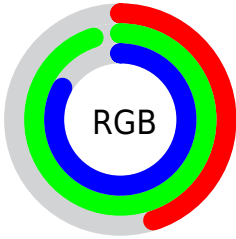
Format	Color
R _{YB}	116, 187, 241
Decimal	7664083
CIE Lab	87.64, -42.00, 3.86
CIE LCh	88, 42.174, 174.749
Yxy	71.3267, 0.2592, 0.3668
Android (android.graphics.Color)	4285854163 (0xFF74F1D3)
YUV	200.2050, 5.3219, -73.8478
Hunter-Lab	84.4551, -41.2407, 8.0542

Details

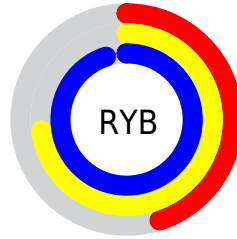
The XYZ color **50.4156, 71.3267, 72.7383** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.7117, 33.2687, 31.1035**, and the grayscale version is **55.0246, 57.8902, 63.0424**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **24.5417, 37.3934, 37.8225** is the 20% darker color. If you saturate the color by 10%, you get **46.9062, 69.6016, 68.8575**, and if you desaturate by 10%, it is **54.7860, 73.4962, 76.7987**.

Distribution



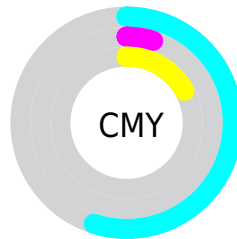
- Red (45%)
- Green (95%)
- Blue (83%)



- Red (45%)
- Yellow (73%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (55%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4156, 71.3267, 72.7383 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 50.4156, 71.3267, 72.7383 by changing the saturation by 10% instead.

 50.4156, 71.3267,
72.7383


 50.4156, 71.3267,
72.7383


378.7141,
465.1947, 489.1537


 35.9629, 52.6089,
53.2715


 89.9785, 121.0988,
124.8231

 24.5755, 37.4906,
37.6303


 115.8194,
152.9218, 158.2781

 15.8881, 25.5876,
25.3963

 146.1870,
189.8820, 197.2330

 9.5354, 16.5154,
16.1509

181.4468,
232.3638, 242.1063

 5.1519, 9.8896,
9.4755

221.9640,
280.7516, 293.3164

 2.3723, 5.3258,
4.9516

268.1041,

 0.8313, 2.4397,

335.4297, 351.2820

2.1606

320.2323,
396.7826, 416.4216

■ 0.0000, 0.8462,
0.6515

■ 0.0000, 0.0000,
0.0000

■ 50.4156, 71.3267,
72.7383

■ 50.4156, 71.3267,
72.7383

■ 46.9062, 69.6016,
68.8575

■ 54.7860, 73.4962,
76.7987

■ 44.1858, 68.2785,
65.1470


■ 60.0702, 76.1319,
81.0380


■ 42.1806, 67.3212,
61.6033


■ 66.3238, 79.2644,
85.4617


■ 40.7994, 66.6825,
58.2207

■ 73.5964, 82.9190,
90.0734

 40.0203, 66.3385,
55.5818

 81.9338, 87.1194,
94.8766

 89.2864, 90.8090,
99.7768

 90.1870, 91.1692,
104.5192

 90.7465, 91.3930,
107.4655

Harmonies

Analogous

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



53.2923, 71.3267, 50.0531



50.4156, 71.3267, 72.7383



51.8097, 71.3267, 103.0321

Triad

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



50.4156, 71.3267, 72.7383



76.1537, 71.3267, 139.0667



79.4900, 71.3267, 40.8569

Complementary

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



50.4156, 71.3267, 72.7383



47.7117, 33.2687, 31.1035

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.



86.7678, 71.3267, 56.8421



50.4156, 71.3267, 72.7383



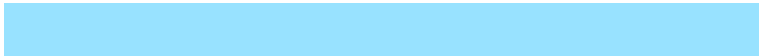
84.7130, 71.3267, 113.9181

Square

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



50.4156, 71.3267, 72.7383



66.0519, 71.3267, 146.2958



88.7669, 71.3267, 82.8044



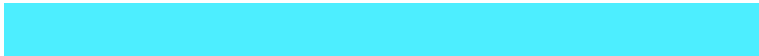
69.5662, 71.3267, 34.7669

Rectangle

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



50.4156, 71.3267, 72.7383



55.0520, 71.3267, 123.1618



88.7669, 71.3267, 82.8044



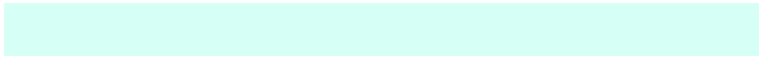
82.3642, 71.3267, 45.0272

Sweetspot

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



50.4176, 71.3295, 72.7400



80.0631, 92.4515, 100.1774



46.6874, 70.4006, 27.6523



16.7726, 19.6054, 21.2106



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.



50.4176, 71.3295, 72.7400



53.2104, 79.0684, 78.1392



46.0667, 56.0362, 91.6104



16.0757, 17.8603, 19.4215



21.7568, 35.9947, 30.4317



1.8484, 3.0098, 2.7341

Inverse Universe

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



47.7117, 33.2687, 31.1035



49.8678, 31.5359, 26.3238



49.9029, 40.9091, 21.7903



15.9283, 15.8210, 17.1787



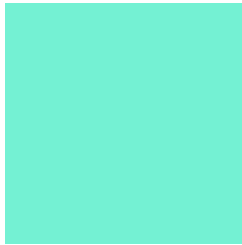
20.1274, 10.3234, 3.3213



1.7122, 0.8739, 0.4751

Previews

White Background



This preview shows how the XYZ color 50.4156, 71.3267, 72.7383 looks on a white background.

Color Contrast Check

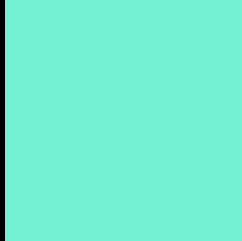
Large Text (above 18pt) WCAG AA × Fail

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 50.4156, 71.3267, 72.7383 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 50.4156, 71.3267, 72.7383

Background



This preview shows how black text looks on a background with the XYZ color 50.4156, 71.3267, 72.7383.

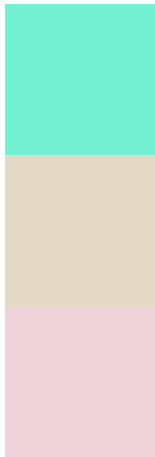


This preview shows how white text looks on a background with the XYZ color 50.4156, 71.3267,

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

50.4156, 71.3267, 72.7383

Protanopia

66.6845, 70.0338, 63.4293

Deuteranopia

71.4153, 69.9490, 75.3832



Tritanopia

56.8036, 71.3182, 104.5379

Trichromacy



Original Color

50.4156, 71.3267, 72.7383



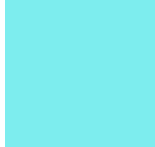
Protanomaly

58.4694, 69.2693, 66.7886



Deuteranomaly

60.6352, 68.6182, 74.3388



Tritanomaly

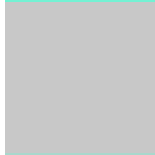
54.1743, 71.1014, 91.7576

Monochromacy



Original Color

50.4156, 71.3267, 72.7383



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.5617, 61.3955, 66.2597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4156, 71.3267, 72.7383 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(116, 241, 211)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 211)  
}
```

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(116, 241, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 211) }
```

Border

The CSS property to change the border of an element to XYZ 50.4156, 71.3267, 72.7383 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(116, 241, 211) }
```


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

```
.border{ border-color:rgb(116, 241, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 241, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 241, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 241, 211);  
box-shadow:4px 4px 4px 4px rgb(116, 241,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4156, 71.3267, 72.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 211) }
```

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

```
.background{ background-color: rgb(116,  
241, 211) }
```

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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