

Converting Colors

XYZ(50.7943, 72.8699, 72.3560)

Have a look what the booklet for
XYZ(50.7943, 72.8699, 72.3560)
contains.

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Color

**XYZ(50.7936, 72.8652,
72.3601)**

Conversions

Conversions Part 1

Format	Color
Hex	71F4D2
RGB	113, 244, 210
RGB Percent	44%, 96%, 82%
CMY	0.5568, 0.0431, 0.1765
CMYK	0.54, 0.00, 0.14, 0.04
HSL	164°, 86%, 70%
HSV	164°, 54%, 96%
XYZ	50.7936, 72.8652, 72.3601
YIQ	200.9550, -67.1620, -38.3460

Conversions

Conversions Part 2

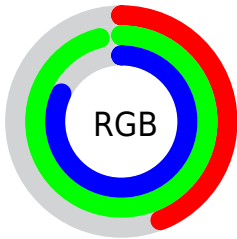
Format	Color
R _Y B	113, 188, 244
Decimal	7468242
CIE Lab	88.38, -44.18, 5.44
CIE LCh	88, 44.510, 172.981
Yxy	72.8652, 0.2591, 0.3717
Android (android.graphics.Color)	4285658322 (0xFF71F4D2)
YUV	200.9550, 4.4592, -77.1365
Hunter-Lab	85.3611, -43.1666, 9.4930

Details

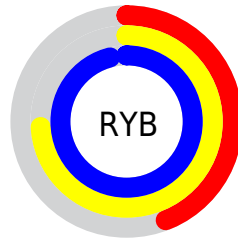
The XYZ color **50.7936, 72.8652, 72.3601** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.4823, 33.1519, 31.4501**, and the grayscale version is **55.4943, 58.3844, 63.5806**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **24.8533, 38.4988, 37.5736** is the 20% darker color. If you saturate the color by 10%, you get **47.2932, 71.1519, 68.1597**, and if you desaturate by 10%, it is **55.1730, 75.0317, 76.7679**.

Distribution



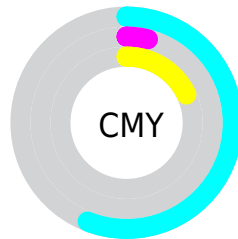
- Red (44%)
- Green (96%)
- Blue (82%)



- Red (44%)
- Yellow (74%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)





- Cyan (56%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7936, 72.8652, 72.3601 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 50.7936, 72.8652, 72.3601 by changing the saturation by 10% instead.


 50.7936, 72.8652,
72.3601


 50.7936, 72.8652,
72.3601


380.1622,
470.5475, 487.8052


 36.2647, 53.8657,
52.9643


 90.5344, 123.2858,
124.2808

 24.8098, 38.4943,
37.3867


 116.4771,
155.4758, 157.6428

 16.0634, 26.3666,
25.2089


 146.9551,
192.8314, 196.4973

 9.6601, 17.0981,
16.0123

182.3337,
235.7370, 241.2627

 5.2347, 10.3044,
9.3784

222.9784,
284.5770, 292.3577

 2.4218, 5.6013,
4.8887

269.2545,

 0.8560, 2.6042,

339.7358, 350.2007

2.1245

321.5273,
401.5979, 415.2104

0.0000, 0.9288,
0.6303

0.0000, 0.0000,
0.0000

50.7936, 72.8652,
72.3601

50.7936, 72.8652,
72.3601

47.2932, 71.1519,
68.1597

55.1730, 75.0317,
76.7679

44.5961, 69.8473,
64.1564


60.4873, 77.6747,
81.3827


42.6235, 68.9127,
60.3463


66.7948, 80.8260,
86.2107


41.2775, 68.2976,
56.7229


74.1471, 84.5122,
91.2560

 40.6586, 68.0265,
54.5266

 82.5923, 88.7580,
96.5227

 90.5355, 92.7413,
101.9377

 91.5351, 93.1411,
107.2014

 91.6419, 93.1838,
107.7640

Harmonies

Analogous

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



54.1072, 72.8652, 48.9119



50.7936, 72.8652, 72.3601



52.0045, 72.8652, 104.6114

Triad

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



50.7936, 72.8652, 72.3601



77.5951, 72.8652, 146.8069



82.3830, 72.8652, 41.0077

Complementary

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



50.7936, 72.8652, 72.3601



48.4823, 33.1519, 31.4501

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.



89.9546, 72.8652, 58.5028



50.7936, 72.8652, 72.3601



86.9978, 72.8652, 120.3185

Square

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



50.7936, 72.8652, 72.3601



66.7749, 72.8652, 153.2766



91.7248, 72.8652, 86.7503



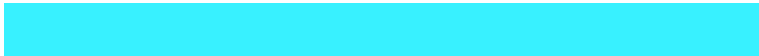
71.7982, 72.8652, 34.0814

Rectangle

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



50.7936, 72.8652, 72.3601



55.2813, 72.8652, 126.6169



91.7248, 72.8652, 86.7503



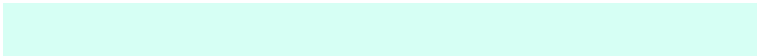
85.4076, 72.8652, 45.5922

Sweetspot

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



50.7956, 72.8681, 72.3618



79.9414, 92.4028, 99.5369



47.5343, 72.1863, 27.0521



16.7434, 19.5938, 21.0570



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.



50.7956, 72.8681, 72.3618



52.1183, 78.5709, 75.1302



47.0448, 57.8518, 94.2782



16.8023, 18.6800, 20.2431



22.1659, 37.0112, 29.9571



1.9900, 3.2696, 2.8530

Inverse Universe

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



48.4823, 33.1519, 31.4501



49.3641, 30.6054, 25.9185



50.1989, 40.2430, 20.7460



16.6757, 16.5531, 18.0386



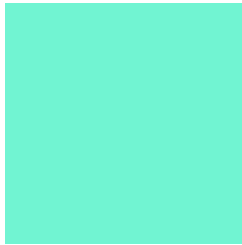
20.8262, 10.6739, 3.7933



1.8708, 0.9543, 0.5459

Previews

White Background



This preview shows how the XYZ color 50.7936, 72.8652, 72.3601 looks on a white background.

Color Contrast Check

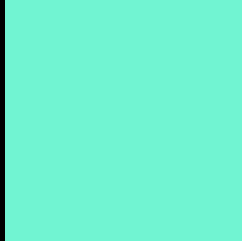
Large Text (above 18pt) WCAG AA × Fail

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 50.7936, 72.8652, 72.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

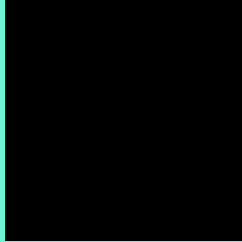
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

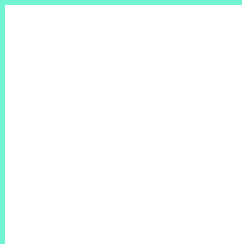
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7936, 72.8652, 72.3601

Background



This preview shows how black text looks on a background with the XYZ color 50.7936, 72.8652, 72.3601.



This preview shows how white text looks on a background with the XYZ color 50.7936, 72.8652, 72.3601.

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

50.7936, 72.8652, 72.3601

Protanopia

68.3044, 72.0406, 63.1285

Deuteranopia

73.2808, 71.6529, 75.6137



Tritanopia

58.1657, 72.8567, 105.6048

Trichromacy



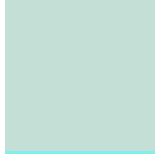
Original Color

50.7936, 72.8652, 72.3601



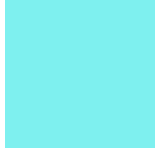
Protanomaly

59.1735, 70.8677, 66.4372



Deuteranomaly

61.5582, 69.9021, 73.8663



Tritanomaly

55.3443, 72.9878, 92.8325

Monochromacy



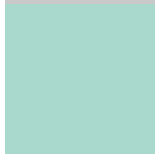
Original Color

50.7936, 72.8652, 72.3601



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.0741, 62.4204, 66.4305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7936, 72.8652, 72.3601 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(113, 244, 210)` looks like.

```
.text, #text, p{  
    color:rgb(113, 244, 210)  
}
```

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(113, 244, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 244, 210) }
```

Border

The CSS property to change the border of an element to XYZ 50.7936, 72.8652, 72.3601 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(113, 244, 210) }
```


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

```
.border{ border-color:rgb(113, 244, 210) }
```

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

Here you see how a box with a 4 pixel rgb(113, 244, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 244, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 244, 210);  
box-shadow:4px 4px 4px 4px rgb(113, 244,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7936, 72.8652, 72.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 244, 210) }
```

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

```
.background{ background-color: rgb(113,  
244, 210) }
```

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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