

Converting Colors

XYZ(53.5895, 67.9239, 78.4523)

Have a look what the booklet for
XYZ(53.5895, 67.9239, 78.4523)
contains.

XYZ(53.7424, 68.2036, 78.7387)	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(53.7424, 68.2036,
78.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	95E6DD
RGB	149, 230, 221
RGB Percent	58%, 90%, 87%
CMY	0.4157, 0.0980, 0.1333
CMYK	0.35, 0.00, 0.04, 0.10
HSL	173°, 62%, 74%
HSV	173°, 35%, 90%
XYZ	53.7424, 68.2036, 78.7387
YIQ	204.7550, -45.3870, -19.9710

Conversions

Conversions Part 2

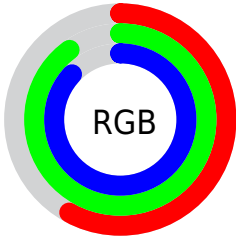
Format	Color
RYB	149, 192, 230
Decimal	9823965
CIELab	86.11, -26.67, -3.47
CIELCh	86, 26.890, 187.412
Yxy	68.2036, 0.2678, 0.3399
Android (android.graphics.Color)	4288014045 (0xFF95E6DD)
YUV	204.7550, 8.0088, -48.8971
Hunter-Lab	82.5855, -28.3659, 1.2815

Details

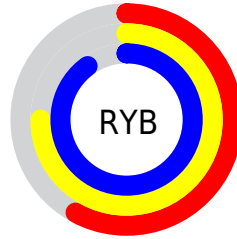
The XYZ color **53.7424, 68.2036, 78.7387** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.5545, 40.7885, 37.6116**, and the grayscale version is **57.8457, 60.8582, 66.2745**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **26.6351, 35.4050, 41.5064** is the 20% darker color. If you saturate the color by 10%, you get **49.6159, 66.1171, 76.7825**, and if you desaturate by 10%, it is **58.7067, 70.7248, 80.7642**.

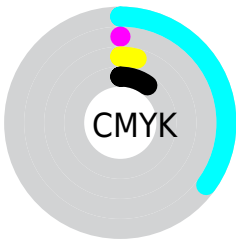
Distribution



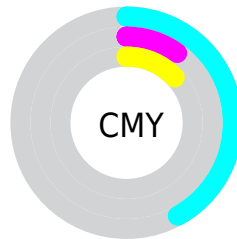
- Red (58%)
- Green (90%)
- Blue (87%)



- Red (58%)
- Yellow (75%)
- Blue (90%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (42%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7424, 68.2036, 78.7387 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 53.7424, 68.2036, 78.7387 by changing the saturation by 10% instead.


 53.7424, 68.2036,
78.7387


 53.7424, 68.2036,
78.7387


391.3413,
454.2170, 510.2662

 38.6256, 50.0634,
58.1609


 94.8550, 116.6434,
133.3863

 26.6480, 35.4638,
41.5225


 121.5816,
147.7117, 168.2932

 17.4443, 24.0203,
28.4048


152.9087,
183.8582, 208.8135

 10.6490, 15.3487,
18.3893

189.2019,
225.4673, 255.3659

 5.8969, 9.0645,
11.0575

230.8263,
272.9233, 308.3688

 2.8225, 4.7833,
5.9909

278.1475,

 1.0606, 2.1207,

326.6107, 368.2408

2.7708

331.5307,
386.9138, 435.4004

■ 0.0000, 0.6762,
0.9789

■ 0.0000, 0.0000,
0.0000

■ 53.7424, 68.2036,
78.7387

■ 53.7424, 68.2036,
78.7387

■ 49.6159, 66.1171,
76.7825

■ 58.7067, 70.7248,
80.7642

■ 46.2721, 64.4317,
74.8884

■ 64.5479, 73.6958,
82.8564

■ 43.6589, 63.1225,
73.0553

■ 71.3097, 77.1408,
85.0190

■ 41.7153, 62.1578,
71.2803

■ 79.0312, 81.0799,
87.2539

■ 40.3700, 61.5009,
69.5598

■ 84.3581, 83.7839,
89.4043

■ 39.5358, 61.1070,
67.8898

■ 84.7276, 83.9318,
91.3504

■ 39.2501, 60.9767,
67.1057

■ 85.1025, 84.0817,
93.3245

■ 85.4827, 84.2338,
95.3267

■ 85.8683, 84.3880,
97.3572

Harmonies

Analogous

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



54.4624, 68.2036, 61.9433



53.7424, 68.2036, 78.7387



55.8385, 68.2036, 96.9134

Triad

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



53.7424, 68.2036, 78.7387



72.3153, 68.2036, 104.7025



69.4973, 68.2036, 47.0664

Complementary

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



53.7424, 68.2036, 78.7387



49.5545, 40.7885, 37.6116

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.



74.7285, 68.2036, 55.4476



53.7424, 68.2036, 78.7387



76.4262, 68.2036, 88.1146

Square

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



53.7424, 68.2036, 78.7387



66.3703, 68.2036, 113.3755



77.3363, 68.2036, 69.9585



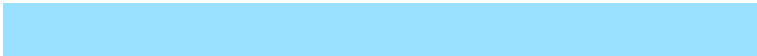
63.3048, 68.2036, 45.3709

Rectangle

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



53.7424, 68.2036, 78.7387



58.6342, 68.2036, 106.7813



77.3363, 68.2036, 69.9585



71.4379, 68.2036, 49.1225

Sweetspot

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



53.7444, 68.2063, 78.7403



84.9749, 94.8636, 105.8297



47.9130, 66.0811, 38.6649



17.9441, 20.1804, 22.5726



0.0000, 0.0000, 0.0000



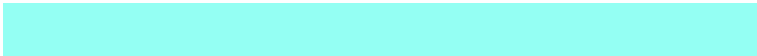
20.3446, 21.4041, 23.3091

Same Dimension

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



53.7444, 68.2063, 78.7403



64.1470, 84.2835, 97.7582



47.0914, 52.9289, 82.6002



14.7348, 16.3074, 18.1343



22.2487, 34.5316, 38.1397



1.6639, 2.5597, 2.9226

Inverse Universe

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



49.5545, 40.7885, 37.6116



58.1422, 44.9396, 38.7773



54.3916, 51.6579, 35.5395



14.4418, 14.3939, 15.2609



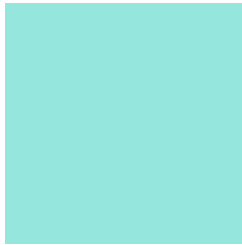
18.5999, 9.5742, 1.5220



1.3963, 0.7162, 0.2274

Previews

White Background



This preview shows how the XYZ color 53.7424, 68.2036, 78.7387 looks on a white background.

Color Contrast Check

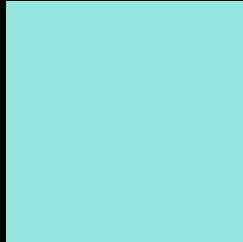
Large Text (above 18pt) WCAG AA × Fail

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 53.7424, 68.2036, 78.7387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

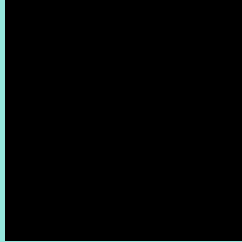
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.7424, 68.2036, 78.7387

Background



This preview shows how black text looks on a background with the XYZ color 53.7424, 68.2036, 78.7387.

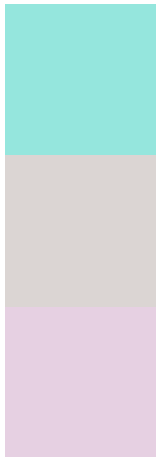


This preview shows how white text looks on a background with the XYZ color 53.7424, 68.2036,

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

53.7424, 68.2036, 78.7387

Protanopia

64.7655, 67.3517, 71.2147

Deuteranopia

68.9165, 67.4257, 81.3337



Tritanopia

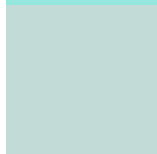
57.1954, 67.9538, 96.4881

Trichromacy



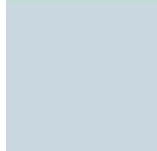
Original Color

53.7424, 68.2036, 78.7387



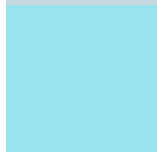
Protanomaly

59.8454, 67.0387, 74.0755



Deuteranomaly

62.0978, 66.9111, 80.1632



Tritanomaly

55.7463, 67.7666, 89.4990

Monochromacy



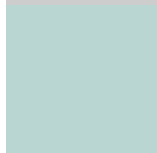
Original Color

53.7424, 68.2036, 78.7387



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.8120, 63.1106, 70.8680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7424, 68.2036, 78.7387 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(149, 230, 221)` looks like.

```
.text, #text, p{  
    color:rgb(149, 230, 221)  
}
```

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(149, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 230, 221) }
```

Border

The CSS property to change the border of an element to XYZ 53.7424, 68.2036, 78.7387 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(149, 230, 221) }
```


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

```
.border{ border-color:rgb(149, 230, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 230, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(149, 230,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7424, 68.2036, 78.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 230, 221) }
```

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

```
.background{ background-color: rgb(149,  
230, 221) }
```

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