

Converting Colors

XYZ(72.8424, 80.2267, 90.8150)

Have a look what the booklet for
XYZ(72.8424, 80.2267, 90.8150)
contains.

XYZ(72.8673, 80.3432, 91.0241)	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(72.8673, 80.3432,
91.0241)**

Conversions

Conversions Part 1

Format	Color
Hex	D6ECEC
RGB	214, 236, 236
RGB Percent	84%, 93%, 93%
CMY	0.1608, 0.0745, 0.0745
CMYK	0.09, 0.00, 0.00, 0.07
HSL	180°, 37%, 88%
HSV	180°, 9%, 93%
XYZ	72.8673, 80.3432, 91.0241
YIQ	229.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

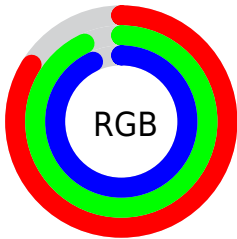
Format	Color
RYB	214, 225, 236
Decimal	14085356
CIELab	91.84, -7.21, -2.48
CIELCh	92, 7.620, 198.976
Yxy	80.3432, 0.2983, 0.3290
Android (android.graphics.Color)	4292275436 (0xFFD6ECEC)
YUV	229.4220, 3.2430, -13.5251
Hunter-Lab	89.6344, -11.7505, 2.5348

Details

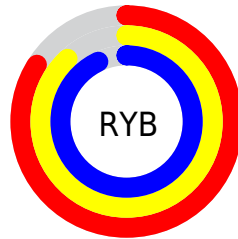
The XYZ color **72.8673, 80.3432, 91.0241** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7791, 70.7831, 73.5541**, and the grayscale version is **74.7726, 78.6666, 85.6679**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8576, 43.3087, 49.4914** is the 20% darker color. If you saturate the color by 10%, you get **66.4725, 77.0488, 90.7235**, and if you desaturate by 10%, it is **80.2646, 84.1588, 91.3750**.

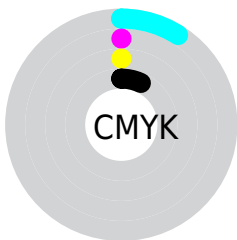
Distribution



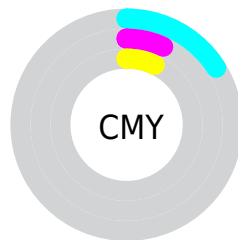
- Red (84%)
- Green (93%)
- Blue (93%)



- Red (84%)
- Yellow (88%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8673, 80.3432, 91.0241 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 72.8673, 80.3432, 91.0241 by changing the saturation by 10% instead.

72.8673, 80.3432,
91.0241

72.8673, 80.3432,
91.0241

459.6657,
496.0887, 552.0124

54.1555, 60.0008,
68.2518

122.2930,
133.8481, 150.7080

38.9571, 43.4193,
49.6347

153.7375,
167.7795, 188.4568

26.9069, 30.2142,
34.7541

190.1569,
207.0093, 232.0348

17.6396, 20.0013,
23.1915

231.9167,
251.9219, 281.8606

10.7897, 12.3960,
14.5283

279.3821,
302.9018, 338.3527

5.9918, 7.0139,
8.3461

332.9185,

2.8807, 3.4708,

360.3333, 401.9297

4.2263

392.8912,
424.6008, 473.0101

■ 1.0910, 1.3822,
1.7503

■ 0.0176, 0.2035,
0.3948

■ 72.8673, 80.3432,
91.0241

■ 72.8673, 80.3432,
91.0241

■ 66.4725, 77.0488,
90.7235

■ 80.2646, 84.1588,
91.3750

■ 61.0307, 74.2435,
90.4658

■ 86.3787, 87.3106,
91.6641

■ 56.4982, 71.9070,
90.2507

■ 86.3793, 87.3109,
91.6672

■ 52.8255, 70.0137,
90.0758

■ 86.3798, 87.3111,
91.6702

49.9584, 68.5358,
89.9386

86.3804, 87.3113,
91.6732

47.8364, 67.4419,
89.8363

86.3810, 87.3115,
91.6763

46.3904, 66.6965,
89.7656

86.3816, 87.3118,
91.6793

45.5387, 66.2575,
89.7227

86.3821, 87.3120,
91.6823

45.1523, 66.0584,
89.7017

86.3827, 87.3122,
91.6854

Harmonies

Analogous

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



72.7367, 80.3432, 85.4395



72.8673, 80.3432, 91.0241



73.9253, 80.3432, 95.8475

Triad

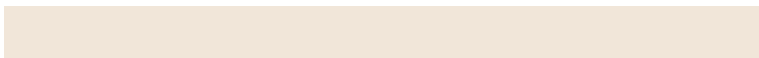
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8673, 80.3432, 91.0241



79.2321, 80.3432, 94.7310



77.0842, 80.3432, 77.3425

Complementary

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



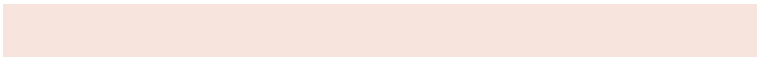
72.8673, 80.3432, 91.0241



70.7791, 70.7831, 73.5541

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.



78.8553, 80.3432, 79.6144



72.8673, 80.3432, 91.0241



80.1095, 80.3432, 89.5529

Square

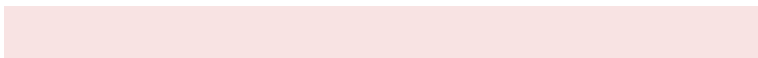
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8673, 80.3432, 91.0241



77.5914, 80.3432, 98.0499



79.9704, 80.3432, 84.0293



75.1492, 80.3432, 77.6986

Rectangle

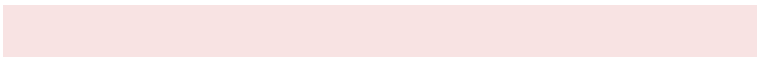
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8673, 80.3432, 91.0241



75.0244, 80.3432, 97.9081



79.9704, 80.3432, 84.0293



77.7190, 80.3432, 77.8201

Sweetspot

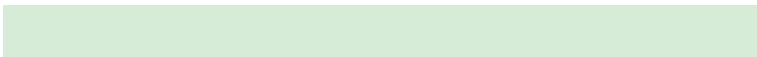
The Sweet Spot groups the original color and five complimentary colors.



72.8696, 80.3466, 91.0259



92.2911, 98.5778, 108.7698



69.9740, 79.2007, 75.2188



19.6003, 21.0204, 23.2740



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.



72.8696, 80.3466, 91.0259



85.4720, 95.0625, 108.4478



69.8986, 74.4037, 90.0382



15.5176, 17.1219, 19.4086



24.8765, 36.4051, 49.4423



1.9534, 2.8587, 3.8826

Inverse Universe

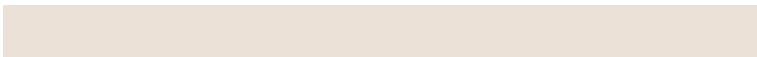
The Inverse Universe completely reimagines the original color for something new.



70.7791, 70.7831, 73.5541



82.5543, 81.7144, 84.0617



73.5588, 76.3432, 74.4783



15.0656, 15.0541, 15.6309



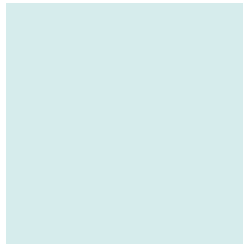
19.0679, 9.8299, 0.8932



1.4973, 0.7719, 0.0703

Previews

White Background



This preview shows how the XYZ color 72.8673, 80.3432, 91.0241 looks on a white background.

Color Contrast Check

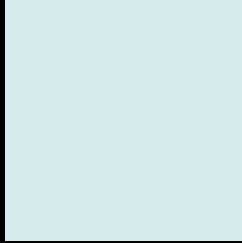
Large Text (above 18pt) WCAG AA × Fail

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 72.8673, 80.3432, 91.0241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

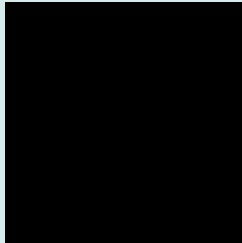
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

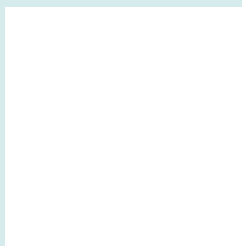
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8673, 80.3432, 91.0241

Background



This preview shows how black text looks on a background with the XYZ color 72.8673, 80.3432, 91.0241.

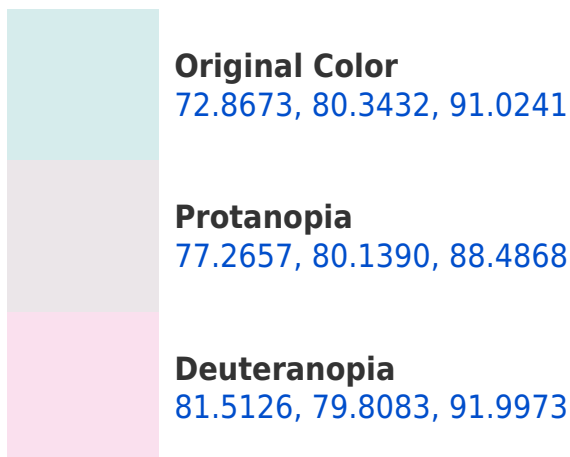


This preview shows how white text looks on a background with the XYZ color 72.8673, 80.3432,

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

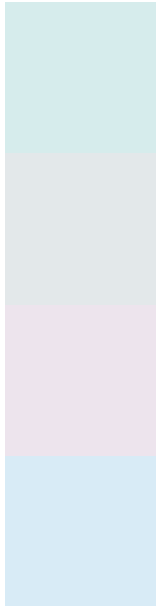




Tritanopia

75.6088, 80.6256, 103.6728

Trichromacy



Original Color

72.8673, 80.3432, 91.0241

Protanomaly

75.3864, 79.9846, 89.3072

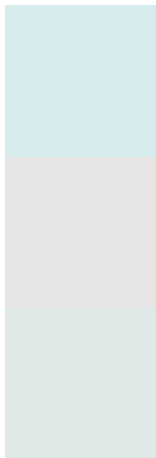
Deuteranomaly

77.9545, 79.6058, 91.3776

Tritanomaly

74.6618, 80.6694, 98.8244

Monochromacy



Original Color

72.8673, 80.3432, 91.0241

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.1626, 79.3867, 87.7583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8673, 80.3432, 91.0241 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(214, 236, 236) looks like.

```
.text, #text, p{  
    color:rgb(214, 236, 236)  
}
```

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(214, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.8673, 80.3432, 91.0241 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(214, 236, 236) }
```


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

```
.border{ border-color:rgb(214, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(214, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8673, 80.3432, 91.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 236, 236) }
```

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

```
.background{ background-color: rgb(214,  
236, 236) }
```

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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