

Converting Colors

XYZ(34.9762, 44.1643, 72.1558)

Have a look what the booklet for
XYZ(34.9762, 44.1643, 72.1558)
contains.

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Color

**XYZ(35.0857, 44.2976,
72.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	57BFD9
RGB	87, 191, 217
RGB Percent	34%, 75%, 85%
CMY	0.6588, 0.2510, 0.1490
CMYK	0.60, 0.12, 0.00, 0.15
HSL	192°, 63%, 60%
HSV	192°, 60%, 85%
XYZ	35.0857, 44.2976, 72.3467
YIQ	162.8680, -70.3300, -13.9620

Conversions

Conversions Part 2

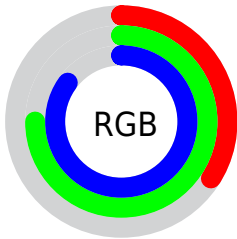
Format	Color
R _Y B	87, 145, 217
Decimal	5750745
CIE Lab	72.43, -22.48, -22.06
CIE LCh	72, 31.494, 224.467
Yxy	44.2976, 0.2312, 0.2920
Android (android.graphics.Color)	4283940825 (0xFF57BFD9)
YUV	162.8680, 26.6871, -66.5362
Hunter-Lab	66.5564, -22.3762, -17.8586

Details

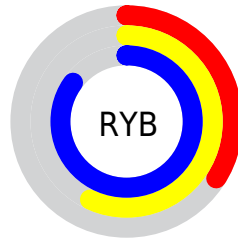
The XYZ color **35.0857, 44.2976, 72.3467** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **36.2420, 27.2516, 12.3683**, and the grayscale version is **34.6539, 36.4586, 39.7034**.

A 20% lighter version of the original color is **63.8301, 80.6507, 106.8107**, and **15.4672, 20.5000, 37.3241** is the 20% darker color. If you saturate the color by 10%, you get **32.4238, 41.5419, 71.9559**, and if you desaturate by 10%, it is **38.3873, 47.4265, 72.7775**.

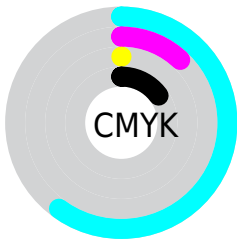
Distribution



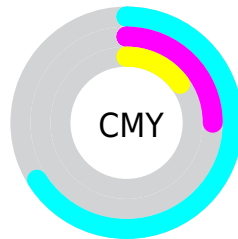
- Red (34%)
- Green (75%)
- Blue (85%)



- Red (34%)
- Yellow (57%)
- Blue (85%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (66%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0857, 44.2976, 72.3467 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 35.0857, 44.2976, 72.3467 by changing the saturation by 10% instead.

■ 35.0857, 44.2976,
72.3467

■ 35.0857, 44.2976,
72.3467

316.4478,
363.9213, 487.7574

■ 23.8957, 30.9045,
52.9534

■ 66.9517, 81.6654,
124.2616

■ 15.3806, 20.5262,
37.3781

■ 88.3583, 106.4089,
157.6203

■ 9.1750, 12.7781,
25.2023

■ 113.9013,
135.7046, 196.4712

■ 4.9135, 7.2759,
16.0074

■ 143.9459,
169.9371, 241.2328

■ 2.2308, 3.6353,
9.3750

178.8575,
209.4906, 292.3237

■ 0.7589, 1.4717,
4.8864

219.0015,

■ 0.0000, 0.2687,

254.7495, 350.1624

2.1232

264.7431,
306.0983, 415.1674

■ 0.0000, 0.0000,
0.6295

■ 0.0000, 0.0000,
0.0000

■ 35.0857, 44.2976,
72.3467

■ 35.0857, 44.2976,
72.3467

■ 32.4238, 41.5419,
71.9559

■ 38.3873, 47.4265,
72.7775

■ 30.3406, 39.1250,
71.5992

■ 42.3740, 50.9497,
73.2474

■ 28.7704, 37.0134,
71.2744

■ 47.0918, 54.8921,
73.7597

■ 27.5943, 35.1455,
70.9758

■ 52.5817, 59.2752,
74.3164

■ 27.5838, 35.1282,
70.9731

■ 58.8812, 64.1187,
74.9192

■ 66.0255, 69.4411,
75.5700

■ 74.0477, 75.2596,
76.2703

■ 80.8855, 80.5117,
76.9236

■ 82.0787, 82.8982,
77.3214

Harmonies

Analogous

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



32.7845, 44.2976, 56.0916



35.0857, 44.2976, 72.3467



39.3699, 44.2976, 83.1435

Triad

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



35.0857, 44.2976, 72.3467



52.9811, 44.2976, 56.6883



39.5497, 44.2976, 24.6929

Complementary

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



35.0857, 44.2976, 72.3467



36.2420, 27.2516, 12.3683

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.



44.9609, 44.2976, 24.7852



35.0857, 44.2976, 72.3467



53.0397, 44.2976, 41.1441

Square

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



35.0857, 44.2976, 72.3467



49.8459, 44.2976, 72.8636



49.9998, 44.2976, 30.1780



35.2075, 44.2976, 29.8910

Rectangle

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



35.0857, 44.2976, 72.3467



42.9216, 44.2976, 84.5909



49.9998, 44.2976, 30.1780



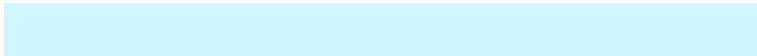
41.2960, 44.2976, 24.1485

Sweetspot

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



35.0871, 44.2992, 72.3478



77.2739, 86.5921, 107.2489



31.6047, 52.7971, 23.5177



16.0044, 18.1155, 22.9031



0.0000, 0.0000, 0.0000



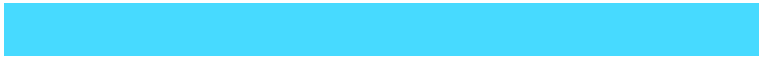
20.3446, 21.4041, 23.3091

Same Dimension

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



35.0871, 44.2992, 72.3478



45.8222, 58.8633, 103.5544



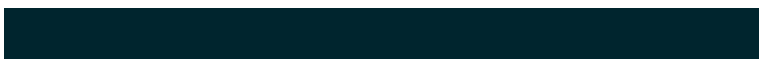
24.1973, 22.5196, 68.7178



13.2122, 14.3641, 16.7283



16.7738, 21.4171, 42.9882



1.1441, 1.5023, 2.8041

Inverse Universe

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



41.4287, 25.3312, 51.9977



56.2104, 30.8942, 69.5229



45.8295, 46.4267, 15.5641



13.4970, 13.2279, 15.8782



21.9620, 10.7858, 25.2435



1.4518, 0.7103, 1.7879

Previews

White Background



This preview shows how the XYZ color 35.0857, 44.2976, 72.3467 looks on a white background.

Color Contrast Check

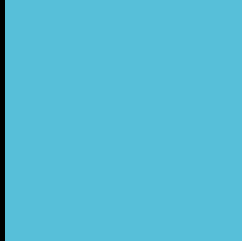
Large Text (above 18pt) WCAG AA × Fail

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 35.0857, 44.2976, 72.3467 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 35.0857, 44.2976, 72.3467

Background



This preview shows how black text looks on a background with the XYZ color 35.0857, 44.2976, 72.3467.



This preview shows how white text looks on a background with the XYZ color 35.0857, 44.2976,

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

35.0857, 44.2976, 72.3467

Protanopia

43.2651, 43.7741, 64.5614

Deuteranopia

44.7893, 43.7655, 74.4936



Tritanopia

33.8021, 44.0923, 66.4036

Trichromacy



Original Color

35.0857, 44.2976, 72.3467

Protanomaly

38.9719, 43.2763, 67.2719

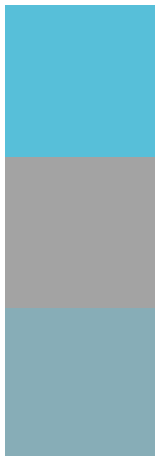
Deuteranomaly

40.0547, 43.3853, 73.9732

Tritanomaly

34.2637, 44.2872, 68.3704

Monochromacy



Original Color

35.0857, 44.2976, 72.3467

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.4825, 38.4569, 50.4580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0857, 44.2976, 72.3467 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(87, 191, 217)` looks like.

```
.text, #text, p{  
    color:rgb(87, 191, 217)  
}
```

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(87, 191, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 191, 217) }
```

Border

The CSS property to change the border of an element to XYZ 35.0857, 44.2976, 72.3467 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(87, 191, 217) }
```


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

```
.border{ border-color:rgb(87, 191, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 191, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 191, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 191, 217);  
box-shadow:4px 4px 4px 4px rgb(87, 191,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0857, 44.2976, 72.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 191, 217) }
```

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

```
.background{ background-color: rgb(87, 191,  
217) }
```

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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