

# Converting Colors

XYZ(43.4443, 72.1901, 26.0277)

Have a look what the booklet for  
XYZ(43.4443, 72.1901, 26.0277)  
contains.

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# Color

**XYZ(43.5754, 72.4329,  
26.1523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72F96D
RGB	114, 249, 109
RGB Percent	45%, 98%, 43%
CMY	0.5529, 0.0235, 0.5725
CMYK	0.54, 0.00, 0.56, 0.02
HSL	118°, 92%, 70%
HSV	118°, 56%, 98%
XYZ	43.5754, 72.4329, 26.1523
YIQ	192.6750, -35.5200, -72.1600

# Conversions

## Conversions Part 2

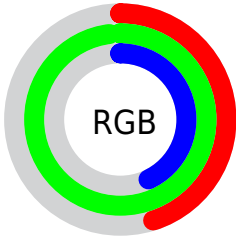
Format	Color
R <sub>Y</sub> B	109, 249, 244
Decimal	7534957
CIE Lab	88.18, -63.50, 55.29
CIE LCh	88, 84.196, 138.950
Yxy	72.4329, 0.3065, 0.5095
Android (android.graphics.Color)	4285725037 (0xFF72F96D)
YUV	192.6750, -41.2518, -68.9980
Hunter-Lab	85.1075, -57.5454, 41.3563

# Details

The XYZ color **43.5754, 72.4329, 26.1523** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **59.8798, 37.0126, 93.6145**, and the grayscale version is **50.7487, 53.3916, 58.1434**.

A 20% lighter version of the original color is **60.1400, 83.3143, 48.0335**, and **20.3167, 38.0510, 9.8882** is the 20% darker color. If you saturate the color by 10%, you get **39.6968, 70.5691, 19.9378**, and if you desaturate by 10%, it is **48.6568, 74.8772, 34.4076**.

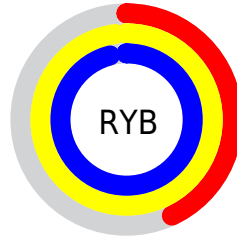
# Distribution



Red (45%)

Green (98%)

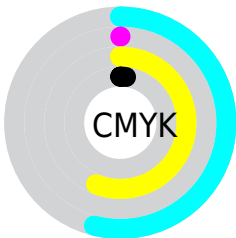
Blue (43%)



Red (43%)

Yellow (98%)

Blue (96%)

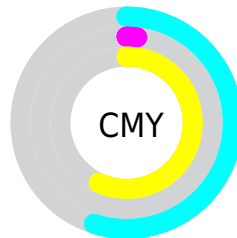


Cyan (54%)

Magenta (0%)

Yellow (56%)

Black (2%)



Cyan (55%)

Magenta (2%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5754, 72.4329, 26.1523 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 43.5754, 72.4329, 26.1523 by changing the saturation by 10% instead.





 43.5754, 72.4329,  
26.1523

 43.5754, 72.4329,  
26.1523


351.8543,  
469.0470, 297.1581

 30.5333, 53.5124,  
16.7108


 79.8288, 122.6718,  
54.5076


 20.3938, 38.2120,  
9.8688


 103.7707,  
154.7590, 74.2586

 12.7916, 26.1472,  
5.2076


 132.0767,  
192.0038, 98.2831

 7.3612, 16.9338,  
2.3087

 165.1121,  
234.7907, 126.9997

 3.7373, 10.1873,  
0.7361

203.2422,  
283.5041, 160.8270

 1.5546, 5.5233,  
0.0000


246.8323,

 0.3626, 2.5575,


338.5283, 200.1835


0.0000


296.2479,  
400.2478, 245.4877


 0.0000, 0.9053,  
0.0000


 0.0000, 0.0000,  
0.0000


 43.5754, 72.4329,  
26.1523


 43.5754, 72.4329,  
26.1523


 39.6968, 70.5691,  
19.9378


 48.6568, 74.8772,  
34.4076

 36.9170, 69.2296,  
15.5823


 55.0234, 77.9346,  
44.8551


 35.1237, 68.3630,  
12.8805


 62.7564, 81.6462,  
57.6374

 34.1772, 67.9030,  
11.5753

 71.9289, 86.0469,  
72.8838

 33.9884, 67.8116,  
11.2976

 82.6088, 91.1690,  
90.7140

 93.1671, 96.2343,  
108.2724

# Harmonies

## Analogous

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



57.0194, 72.4329, 13.6029



43.5754, 72.4329, 26.1523



37.4025, 72.4329, 59.4623

# Triad

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



43.5754, 72.4329, 26.1523



61.6863, 72.4329, 245.4802



112.3523, 72.4329, 48.0547

# Complementary

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



43.5754, 72.4329, 26.1523



59.8798, 37.0126, 93.6145

# Split Complementary

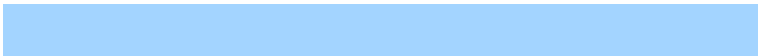
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.2773, 72.4329, 102.0917



43.5754, 72.4329, 26.1523



82.2027, 72.4329, 237.1455

# Square

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



43.5754, 72.4329, 26.1523



46.4162, 72.4329, 195.5598



102.3746, 72.4329, 176.4261



97.5377, 72.4329, 21.3100



# Rectangle

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



43.5754, 72.4329, 26.1523



37.2386, 72.4329, 97.4104



102.3746, 72.4329, 176.4261



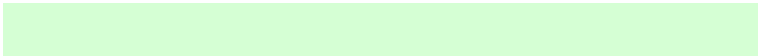
114.6232, 72.4329, 62.8404

# Sweetspot

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



43.5772, 72.4359, 26.1539



75.0973, 90.4314, 75.5531



73.5827, 84.7519, 26.9497



15.6356, 19.1458, 15.4418



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.



43.5772, 72.4359, 26.1539



41.6067, 74.3485, 20.5761



47.6311, 73.9845, 50.8019



17.0746, 19.3387, 18.2952



18.2174, 36.3097, 6.0483



1.7068, 3.3730, 0.5611



# Inverse Universe

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



59.8798, 37.0126, 93.6145



60.2642, 33.7058, 97.9373



53.4011, 34.6241, 50.3254



17.9282, 17.4911, 21.8165



28.4361, 13.6020, 49.1003

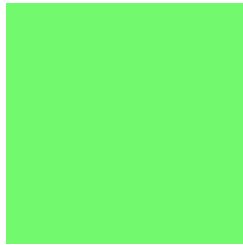


2.6523, 1.2694, 4.5484



# Previews

## White Background



This preview shows how the XYZ color 43.5754, 72.4329, 26.1523 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 43.5754, 72.4329, 26.1523 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

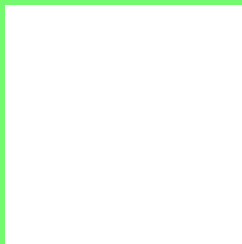
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.5754, 72.4329, 26.1523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5754, 72.4329, 26.1523.



This preview shows how white text looks on a background with the XYZ color 43.5754, 72.4329,



# 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

43.5754, 72.4329, 26.1523

### Protanopia

65.2017, 71.3396, 22.3900

### Deuteranopia

70.9550, 70.8156, 42.2768



## **Tritanopia**

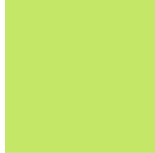
59.0065, 72.0485, 103.7253

# Trichromacy



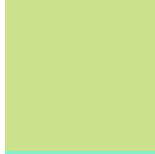
## Original Color

43.5754, 72.4329, 26.1523



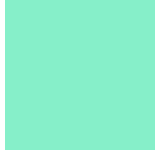
## Protanomaly

54.0501, 70.0014, 23.4948



## Deuteranomaly

56.5607, 68.5812, 35.0674



## Tritanomaly

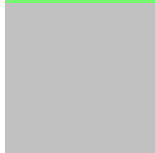
51.2406, 71.0184, 66.2656

# Monochromacy



## Original Color

43.5754, 72.4329, 26.1523



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

45.6257, 58.0896, 42.9901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5754, 72.4329, 26.1523 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(114, 249, 109)` looks like.

```
.text, #text, p{  
    color:rgb(114, 249, 109)  
}
```

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(114, 249, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 249, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5754, 72.4329, 26.1523 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(114, 249, 109) }
```



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

```
.border{ border-color:rgb(114, 249, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 249, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 249, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 249, 109);  
box-shadow:4px 4px 4px 4px rgb(114, 249,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5754, 72.4329, 26.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 249, 109) }
```

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

```
.background{ background-color: rgb(114,  
249, 109) }
```

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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