

Converting Colors

XYZ(46.1532, 51.5593, 72.2357)

Have a look what the booklet for
XYZ(46.1532, 51.5593, 72.2357)
contains.

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Color

**XYZ(46.2351, 51.7068,
72.5093)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC4D8
RGB	158, 196, 216
RGB Percent	62%, 77%, 85%
CMY	0.3804, 0.2314, 0.1529
CMYK	0.27, 0.09, 0.00, 0.15
HSL	201°, 43%, 73%
HSV	201°, 27%, 85%
XYZ	46.2351, 51.7068, 72.5093
YIQ	186.9180, -29.0680, -1.8360

Conversions

Conversions Part 2

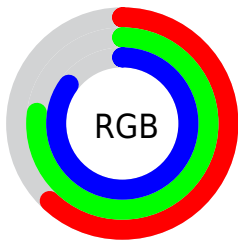
Format	Color
R _Y B	158, 181, 216
Decimal	10405080
CIE Lab	77.11, -8.08, -14.13
CIE LCh	77, 16.276, 240.218
Yxy	51.7068, 0.2713, 0.3034
Android (android.graphics.Color)	4288595160 (0xFF9EC4D8)
YUV	186.9180, 14.3374, -25.3611
Hunter-Lab	71.9074, -11.0660, -9.4510

Details

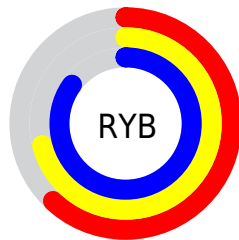
The XYZ color **46.2351, 51.7068, 72.5093** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4114, 48.9086, 39.1322**, and the grayscale version is **47.1226, 49.5766, 53.9889**.

A 20% lighter version of the original color is **80.9068, 91.7667, 108.0562**, and **21.9317, 24.9225, 37.3728** is the 20% darker color. If you saturate the color by 10%, you get **40.7160, 46.4305, 71.7826**, and if you desaturate by 10%, it is **52.5875, 57.5390, 73.3011**.

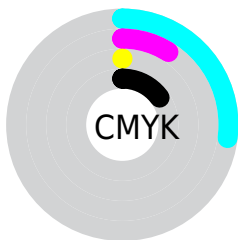
Distribution



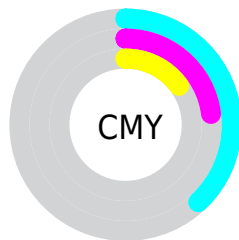
- Red (62%)
- Green (77%)
- Blue (85%)



- Red (62%)
- Yellow (71%)
- Blue (85%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (38%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2351, 51.7068, 72.5093 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 46.2351, 51.7068, 72.5093 by changing the saturation by 10% instead.

■ 46.2351, 51.7068,
72.5093

■ 46.2351, 51.7068,
72.5093

362.4531,
393.3036, 488.3375

■ 32.6368, 36.7714,
53.0854

■ 83.7964, 92.6987,
124.4948

■ 22.0062, 25.0306,
37.4828

■ 108.4902,
119.5240, 157.8935

■ 13.9781, 16.0998,
25.2828

137.6131,
151.0814, 196.7876

■ 8.1870, 9.5948,
16.0669

171.5306,
187.7553, 241.5956

■ 4.2677, 5.1311,
9.4167

210.6080,
229.9301, 292.7360

■ 1.8547, 2.3244,
4.9134

255.2107,

■ 0.5503, 0.7866,

277.9901, 350.6275

2.1387

305.7039,
332.3198, 415.6884

■ 0.0000, 0.0000,
0.6387

■ 0.0000, 0.0000,
0.0000

■ 46.2351, 51.7068,
72.5093

■ 46.2351, 51.7068,
72.5093

■ 40.7160, 46.4305,
71.7826

■ 52.5875, 57.5390,
73.3011

■ 35.9851, 41.6814,
71.1153

■ 59.8059, 63.9419,
74.1565

■ 32.0002, 37.4370,
70.5061

■ 67.9269, 70.9373,
75.0787

■ 28.7129, 33.6706,
69.9524

■ 76.9834, 78.5439,
76.0696

■ 26.0683, 30.3520,
69.4512

■ 82.8421, 84.6326,
76.9361

■ 24.0028, 27.4465,
68.9992

■ 84.9981, 88.9445,
77.6547

■ 22.4337, 24.9093,
68.5922

■ 87.2442, 93.4367,
78.4034

■ 21.9975, 24.1632,
68.4712

■ 89.3948, 97.7379,
79.1203

Harmonies

Analogous

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



44.1577, 51.7068, 65.3659



46.2351, 51.7068, 72.5093



49.1685, 51.7068, 75.2198

Triad

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



46.2351, 51.7068, 72.5093



55.3711, 51.7068, 56.2349



46.1974, 51.7068, 42.7605

Complementary

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



46.2351, 51.7068, 72.5093



50.4114, 48.9086, 39.1322

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.



49.1231, 51.7068, 40.8527



46.2351, 51.7068, 72.5093



54.4960, 51.7068, 48.1135

Square

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



46.2351, 51.7068, 72.5093



54.5203, 51.7068, 65.2416



52.1761, 51.7068, 42.7064



44.1365, 51.7068, 48.2150

Rectangle

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



46.2351, 51.7068, 72.5093



51.2413, 51.7068, 73.9472



52.1761, 51.7068, 42.7064



47.1081, 51.7068, 41.7105

Sweetspot

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



46.2367, 51.7089, 72.5105



85.7361, 91.9282, 107.8329



46.6265, 59.5695, 50.8111



17.9967, 19.3650, 23.0392



0.0000, 0.0000, 0.0000



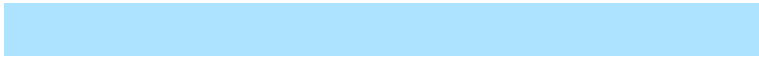
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2367, 51.7089, 72.5105



62.8044, 71.0143, 105.0047



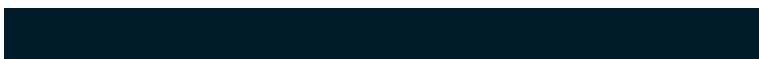
40.4375, 40.1105, 70.5774



12.4150, 13.3534, 15.8606



13.1242, 14.5102, 40.5622



0.8674, 1.0268, 2.4718

Inverse Universe

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



50.5108, 43.0394, 57.8721



70.1069, 56.8394, 79.8515



56.6430, 61.3718, 41.2094



12.7627, 12.5566, 14.6904



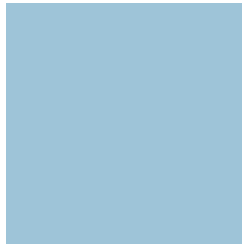
19.6834, 9.8097, 16.1685



1.2255, 0.6070, 1.1767

Previews

White Background



This preview shows how the XYZ color 46.2351, 51.7068, 72.5093 looks on a white background.

Color Contrast Check

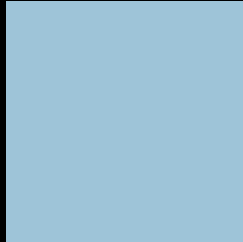
Large Text (above 18pt) WCAG AA × Fail

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 46.2351, 51.7068, 72.5093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

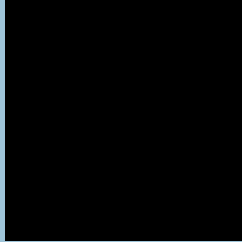
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2351, 51.7068, 72.5093

Background



This preview shows how black text looks on a background with the XYZ color 46.2351, 51.7068, 72.5093.



This preview shows how white text looks on a background with the XYZ color 46.2351, 51.7068,

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

46.2351, 51.7068, 72.5093

Protanopia

50.4490, 51.6631, 68.9411

Deuteranopia

52.5095, 51.3620, 73.4760



Tritanopia

45.7545, 51.8541, 69.8847

Trichromacy



Original Color

46.2351, 51.7068, 72.5093

Protanomaly

48.7644, 51.7335, 70.3662

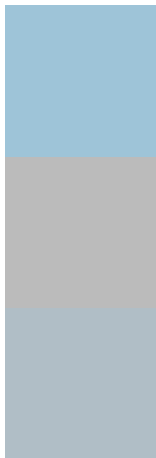
Deuteranomaly

50.0134, 51.3500, 72.9212

Tritanomaly

45.8811, 51.9047, 70.5512

Monochromacy



Original Color

46.2351, 51.7068, 72.5093

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5110, 50.1342, 60.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2351, 51.7068, 72.5093 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(158, 196, 216)` looks like.

```
.text, #text, p{  
    color:rgb(158, 196, 216)  
}
```

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(158, 196, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 196, 216) }
```

Border

The CSS property to change the border of an element to XYZ 46.2351, 51.7068, 72.5093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

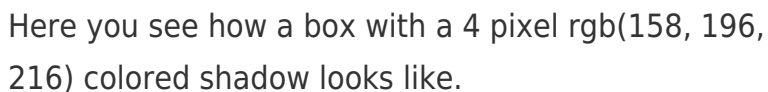
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 196, 216) }
```


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

```
.border{ border-color:rgb(158, 196, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 196, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 196, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 196, 216); box-shadow:4px 4px 4px 4px rgb(158, 196, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2351, 51.7068, 72.5093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 196, 216) }
```

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

```
.background{ background-color: rgb(158,  
196, 216) }
```

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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