

Converting Colors

XYZ(36.5692, 46.8651, 72.0919)

Have a look what the booklet for
XYZ(36.5692, 46.8651, 72.0919)
contains.

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Color

**XYZ(36.4490, 46.6619,
72.0513)**

Conversions

Conversions Part 1

Format	Color
Hex	5BC4D8
RGB	91, 196, 216
RGB Percent	36%, 77%, 85%
CMY	0.6431, 0.2314, 0.1529
CMYK	0.58, 0.09, 0.00, 0.15
HSL	190°, 62%, 60%
HSV	190°, 58%, 85%
XYZ	36.4490, 46.6619, 72.0513
YIQ	166.8850, -69.0000, -16.0400

Conversions

Conversions Part 2

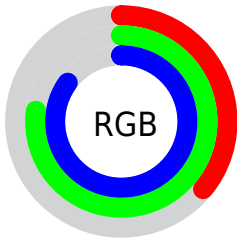
Format	Color
R_{YB}	91, 148, 216
Decimal	6014168
CIE _{Lab}	73.97, -24.55, -19.16
CIE _{LCh}	74, 31.143, 217.964
Yxy	46.6619, 0.2349, 0.3007
Android (android.graphics.Color)	4284204248 (0xFF5BC4D8)
YUV	166.8850, 24.2137, -66.5511
Hunter-Lab	68.3095, -24.2966, -14.7211

Details

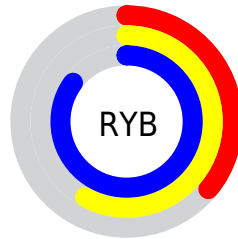
The XYZ color **36.4490, 46.6619, 72.0513** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.8928, 26.7244, 13.1655**, and the grayscale version is **36.5861, 38.4914, 41.9171**.

A 20% lighter version of the original color is **65.9378, 84.0499, 107.3557**, and **16.1561, 21.9450, 37.1025** is the 20% darker color. If you saturate the color by 10%, you get **33.8480, 44.1781, 71.7098**, and if you desaturate by 10%, it is **39.6835, 49.5010, 72.4297**.

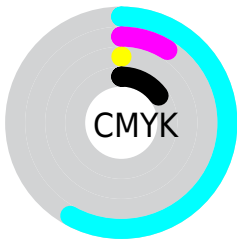
Distribution



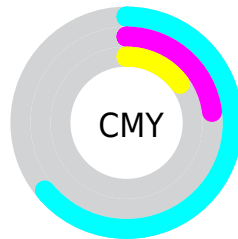
- Red (36%)
- Green (77%)
- Blue (85%)



- Red (36%)
- Yellow (58%)
- Blue (85%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4490, 46.6619, 72.0513 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 36.4490, 46.6619, 72.0513 by changing the saturation by 10% instead.

■ 36.4490, 46.6619,
72.0513

■ 36.4490, 46.6619,
72.0513

322.3159,
373.4634, 486.7025

■ 24.9529, 32.7685,
52.7135

■ 69.0439, 85.2087,
123.8379

■ 16.1705, 21.9491,
37.1879

■ 90.8733, 110.6309,
157.1237

■ 9.7365, 13.8195,
25.0561

■ 116.8780,
140.6648, 195.8960

■ 5.2855, 7.9952,
15.8995

■ 147.4231,
175.6947, 240.5732

■ 2.4522, 4.0919,
9.2995

182.8741,
216.1052, 291.5739

■ 0.8712, 1.7251,
4.8375

223.5963,

■ 0.0000, 0.4398,

262.2805, 349.3167

2.0952

269.9552,
314.6051, 414.2200

■ 0.0000, 0.0000,
0.6129

■ 0.0000, 0.0000,
0.0000

■ 36.4490, 46.6619,
72.0513

■ 36.4490, 46.6619,
72.0513

■ 33.8480, 44.1781,
71.7098

■ 39.6835, 49.5010,
72.4297

■ 31.8219, 42.0161,
71.3993

■ 43.5951, 52.7149,
72.8439

■ 30.3083, 40.1447,
71.1179

■ 48.2284, 56.3279,
73.2970

■ 29.2173, 38.5172,
70.8612

■ 53.6229, 60.3604,
73.7911

■ 29.0089, 38.1861,
70.8083

■ 59.8152, 64.8316,
74.3277

■ 66.8395, 69.7593,
74.9086

■ 74.7281, 75.1602,
75.5353

■ 80.1965, 79.3412,
76.0541

■ 81.1328, 81.2139,
76.3663

Harmonies

Analogous

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



34.5884, 46.6619, 55.1653



36.4490, 46.6619, 72.0513



40.4615, 46.6619, 84.7774

Triad

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



36.4490, 46.6619, 72.0513



55.0104, 46.6619, 63.1744



42.8869, 46.6619, 26.1279

Complementary

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



36.4490, 46.6619, 72.0513



35.8928, 26.7244, 13.1655

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.



48.4816, 46.6619, 27.3933



36.4490, 46.6619, 72.0513



55.7962, 46.6619, 46.6843

Square

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



36.4490, 46.6619, 72.0513



51.2536, 46.6619, 78.9520



53.3191, 46.6619, 34.2120



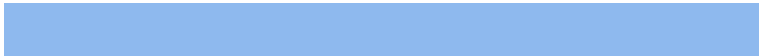
38.0973, 46.6619, 30.2988

Rectangle

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



36.4490, 46.6619, 72.0513



43.9721, 46.6619, 87.9335



53.3191, 46.6619, 34.2120



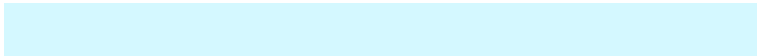
44.7315, 46.6619, 25.9513

Sweetspot

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



36.4505, 46.6636, 72.0524



78.6878, 88.3395, 107.5117



31.6724, 52.4573, 23.1382



16.4781, 18.6406, 22.9794



0.0000, 0.0000, 0.0000



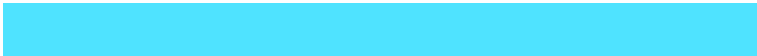
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4505, 46.6636, 72.0524



48.7065, 63.7403, 104.3437



25.3396, 24.4419, 68.3488



12.6151, 13.7537, 15.9274



17.2364, 22.7346, 41.9329



1.0860, 1.4640, 2.5446

Inverse Universe

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



42.0251, 26.0680, 55.0431



57.8839, 32.3969, 75.7666



45.0086, 44.9560, 16.2041



12.8637, 12.5970, 15.2225



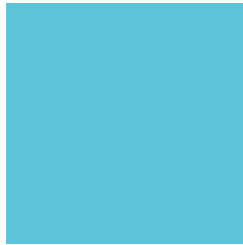
21.7590, 10.6399, 27.0987



1.3358, 0.6511, 1.7577

Previews

White Background



This preview shows how the XYZ color 36.4490, 46.6619, 72.0513 looks on a white background.

Color Contrast Check

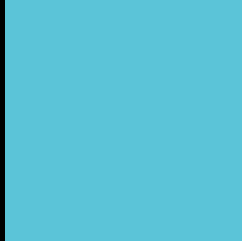
Large Text (above 18pt) WCAG AA × Fail

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 36.4490, 46.6619, 72.0513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

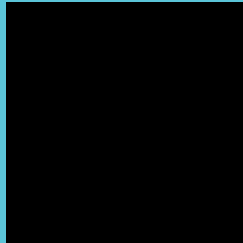
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4490, 46.6619, 72.0513

Background



This preview shows how black text looks on a background with the XYZ color 36.4490, 46.6619, 72.0513.



This preview shows how white text looks on a background with the XYZ color 36.4490, 46.6619,

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

36.4490, 46.6619, 72.0513

Protanopia

45.2710, 45.9951, 64.2495

Deuteranopia

47.0005, 46.0766, 74.1266



Tritanopia

36.0664, 46.8596, 69.4313

Trichromacy



Original Color

36.4490, 46.6619, 72.0513



Protanomaly

40.7116, 45.4124, 66.9413



Deuteranomaly

41.7807, 45.5064, 73.5994



Tritanomaly

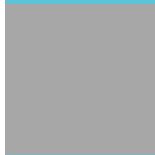
36.1929, 46.9103, 70.0978

Monochromacy



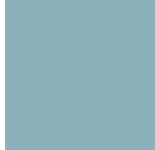
Original Color

36.4490, 46.6619, 72.0513



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.3248, 40.8325, 51.9186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4490, 46.6619, 72.0513 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(91, 196, 216)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 196, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 196, 216) }
```

Border

The CSS property to change the border of an element to XYZ 36.4490, 46.6619, 72.0513 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(91, 196, 216) }
```


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

```
.border{ border-color:rgb(91, 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(91, 196, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 196, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 196, 216);  
box-shadow:4px 4px 4px 4px rgb(91, 196,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4490, 46.6619, 72.0513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 196, 216) }
```

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

```
.background{ background-color: rgb(91, 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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