

Converting Colors

XYZ(36.0069, 45.6853, 72.6393)

Have a look what the booklet for
XYZ(36.0069, 45.6853, 72.6393)
contains.

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Color

**XYZ(36.0326, 45.7670,
72.5804)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC2D9
RGB	90, 194, 217
RGB Percent	35%, 76%, 85%
CMY	0.6470, 0.2392, 0.1490
CMYK	0.59, 0.11, 0.00, 0.15
HSL	191°, 63%, 60%
HSV	191°, 59%, 85%
XYZ	36.0326, 45.7670, 72.5804
YIQ	165.5260, -69.3670, -14.8950

Conversions

Conversions Part 2

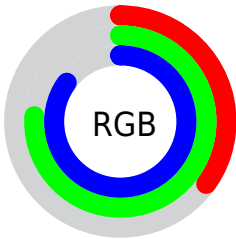
Format	Color
RYB	90, 147, 217
Decimal	5948121
CIELab	73.39, -23.45, -20.58
CIELCh	73, 31.199, 221.277
Yxy	45.7670, 0.2334, 0.2965
Android (android.graphics.Color)	4284138201 (0xFF5AC2D9)
YUV	165.5260, 25.3767, -66.2363
Hunter-Lab	67.6513, -23.3167, -16.2540

Details

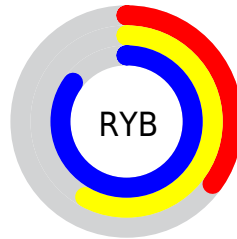
The XYZ color **36.0326, 45.7670, 72.5804** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.3670, 27.3014, 13.0272**, and the grayscale version is **35.9239, 37.7948, 41.1585**.

A 20% lighter version of the original color is **65.1249, 82.6984, 107.1377**, and **15.8997, 21.3648, 37.4682** is the 20% darker color. If you saturate the color by 10%, you get **33.3592, 43.1084, 72.2090**, and if you desaturate by 10%, it is **39.3480, 48.7928, 72.9905**.

Distribution



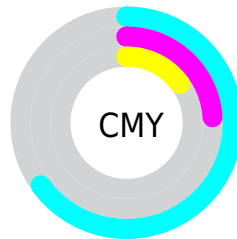
- Red (35%)
- Green (76%)
- Blue (85%)



- Red (35%)
- Yellow (58%)
- Blue (85%)



- Cyan (59%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0326, 45.7670, 72.5804 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 36.0326, 45.7670, 72.5804 by changing the saturation by 10% instead.

36.0326, 45.7670,
72.5804

36.0326, 45.7670,
72.5804

320.5318,
369.8711, 488.5910

24.6296, 32.0620,
53.1432

68.4059, 83.8702,
124.5967

15.9286, 21.4089,
37.5286

90.1070, 109.0372,
158.0130

9.5641, 13.4232,
25.3180

115.9714,
138.7936, 196.9259

5.1710, 7.7206,
16.0930

146.3645,
173.5238, 241.7542

2.3837, 3.9167,
9.4349

181.6518,
213.6123, 292.9163

0.8370, 1.6271,
4.9253

222.1985,

0.0000, 0.3757,

259.4434, 350.8308

2.1455

268.3701,
311.4016, 415.9161

■ 0.0000, 0.0000,
0.6427

■ 0.0000, 0.0000,
0.0000

■ 36.0326, 45.7670,
72.5804

■ 36.0326, 45.7670,
72.5804

■ 33.3592, 43.1084,
72.2090

■ 39.3480, 48.7928,
72.9905

■ 31.2679, 40.7831,
71.8704

■ 43.3500, 52.2061,
73.4384

■ 29.6949, 38.7588,
71.5626

■ 48.0839, 56.0316,
73.9273

■ 28.5416, 36.9844,
71.2808

■ 53.5900, 60.2903,
74.4592

■ 28.3860, 36.7327,
71.2405

■ 59.9056, 65.0017,
75.0357

■ 67.0655, 70.1839,
75.6586

■ 75.1023, 75.8540,
76.3294

■ 80.8092, 80.3592,
76.8982

■ 81.8866, 82.5140,
77.2574

Harmonies

Analogous

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



33.9388, 45.7670, 55.9875



36.0326, 45.7670, 72.5804



40.1958, 45.7670, 84.3379

Triad

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



36.0326, 45.7670, 72.5804



54.2944, 45.7670, 60.1911



41.4664, 45.7670, 25.6568

Complementary

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



36.0326, 45.7670, 72.5804



36.3670, 27.3014, 13.0272

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.



46.9808, 45.7670, 26.3158



36.0326, 45.7670, 72.5804



54.7072, 45.7670, 44.1460

Square

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



36.0326, 45.7670, 72.5804



50.8498, 45.7670, 76.2099



51.9341, 45.7670, 32.4163



36.8952, 45.7670, 30.3744

Rectangle

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



36.0326, 45.7670, 72.5804



43.7361, 45.7670, 86.6218



51.9341, 45.7670, 32.4163



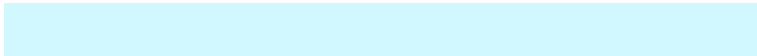
43.2651, 45.7670, 25.2881

Sweetspot

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



36.0340, 45.7687, 72.5815



77.5382, 87.1206, 107.3370



31.9089, 52.9518, 23.6276



16.0696, 18.2460, 22.9248



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.



36.0340, 45.7687, 72.5815



47.3712, 61.3787, 103.9583



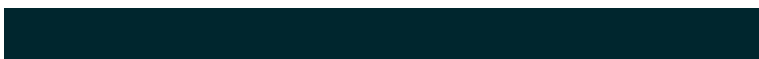
25.0387, 23.7781, 68.9164



13.2339, 14.4076, 16.7356



17.2543, 22.3781, 43.1484



1.1712, 1.5565, 2.8131

Inverse Universe

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



42.0103, 25.9604, 53.8374



57.1345, 31.8082, 72.7105



45.7271, 46.0216, 16.1472



13.5079, 13.2323, 15.9360



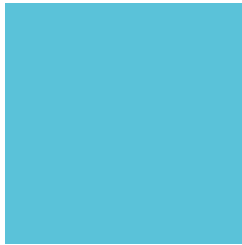
22.2045, 10.8828, 26.5207



1.4654, 0.7158, 1.8600

Previews

White Background



This preview shows how the XYZ color 36.0326, 45.7670, 72.5804 looks on a white background.

Color Contrast Check

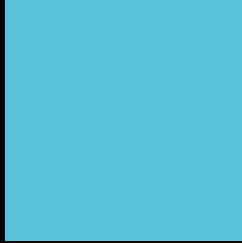
Large Text (above 18pt) WCAG AA × Fail

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 36.0326, 45.7670, 72.5804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

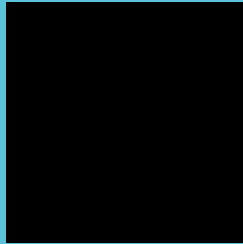
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0326, 45.7670, 72.5804

Background



This preview shows how black text looks on a background with the XYZ color 36.0326, 45.7670, 72.5804.



This preview shows how white text looks on a background with the XYZ color 36.0326, 45.7670,

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

36.0326, 45.7670, 72.5804

Protanopia

44.5165, 45.2957, 64.7892

Deuteranopia

46.0603, 44.9944, 74.6638



Tritanopia

35.2035, 45.7596, 68.6051

Trichromacy



Original Color

36.0326, 45.7670, 72.5804



Protanomaly

40.1010, 44.7738, 67.5014



Deuteranomaly

41.1478, 44.5525, 74.1409



Tritanomaly

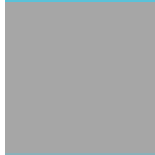
35.5498, 45.9090, 69.9384

Monochromacy



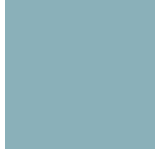
Original Color

36.0326, 45.7670, 72.5804



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.7635, 39.9567, 51.7791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0326, 45.7670, 72.5804 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(90, 194, 217)` looks like.

```
.text, #text, p{  
    color:rgb(90, 194, 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(90, 194, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 194, 217) }
```

Border

The CSS property to change the border of an element to XYZ 36.0326, 45.7670, 72.5804 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(90, 194, 217) }
```


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

```
.border{ border-color:rgb(90, 194, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 194, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 194, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 194, 217);  
box-shadow:4px 4px 4px 4px rgb(90, 194,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0326, 45.7670, 72.5804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 194, 217) }
```

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

```
.background{ background-color: rgb(90, 194,  
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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