

Converting Colors

XYZ(37.5444, 46.6202, 72.4951)

Have a look what the booklet for
XYZ(37.5444, 46.6202, 72.4951)
contains.

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Color

**XYZ(37.5251, 46.5364,
72.6503)**

Conversions

Conversions Part 1

Format	Color
Hex	68C2D9
RGB	104, 194, 217
RGB Percent	41%, 76%, 85%
CMY	0.5921, 0.2392, 0.1490
CMYK	0.52, 0.11, 0.00, 0.15
HSL	192°, 60%, 63%
HSV	192°, 52%, 85%
XYZ	37.5251, 46.5364, 72.6503
YIQ	169.7120, -61.0230, -11.9270

Conversions

Conversions Part 2

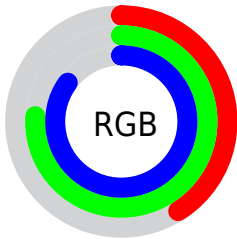
Format	Color
RYB	104, 154, 217
Decimal	6865625
CIELab	73.89, -20.67, -19.78
CIELCh	74, 28.605, 223.745
Yxy	46.5364, 0.2395, 0.2970
Android (android.graphics.Color)	4285055705 (0xFF68C2D9)
YUV	169.7120, 23.3130, -57.6294
Hunter-Lab	68.2176, -21.1916, -15.3903

Details

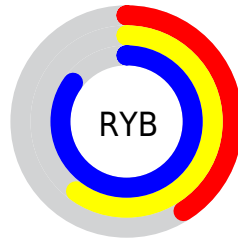
The XYZ color **37.5251, 46.5364, 72.6503** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.7044, 30.9311, 17.0285**, and the grayscale version is **37.9760, 39.9537, 43.5096**.

A 20% lighter version of the original color is **67.4475, 83.8957, 107.2464**, and **16.7747, 21.8159, 37.5092** is the 20% darker color. If you saturate the color by 10%, you get **34.3548, 43.4654, 72.2255**, and if you desaturate by 10%, it is **41.3755, 50.0034, 73.1174**.

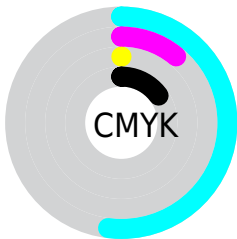
Distribution



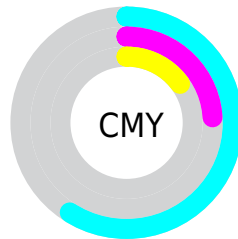
- Red (41%)
- Green (76%)
- Blue (85%)



- Red (41%)
- Yellow (60%)
- Blue (85%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5251, 46.5364, 72.6503 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 37.5251, 46.5364, 72.6503 by changing the saturation by 10% instead.

37.5251, 46.5364,
72.6503

37.5251, 46.5364,
72.6503

326.8946,
372.9610, 488.8402

25.7899, 32.6693,
53.2000

70.6883, 85.0212,
124.6969

16.7983, 21.8732,
37.5736

92.8469, 110.4077,
158.1304

10.1852, 13.7638,
25.3527

119.2107,
140.4028, 197.0619

5.5852, 7.9566,
16.1186

150.1450,
175.3909, 241.9101

2.6328, 4.0672,
9.4529

186.0152,
215.7563, 293.0935

0.9627, 1.7112,
4.9369

227.1866,

0.0000, 0.4309,

261.8836, 351.0306

2.1522

274.0246,
314.1570, 416.1400

■ 0.0000, 0.0000,
0.6466

■ 0.0000, 0.0000,
0.0000

■ 37.5251, 46.5364,
72.6503

■ 37.5251, 46.5364,
72.6503

■ 34.3548, 43.4654,
72.2255

■ 41.3755, 50.0034,
73.1174

■ 31.8093, 40.7585,
71.8371

■ 45.9473, 53.8851,
73.6257

■ 29.8314, 38.3868,
71.4836

■ 51.2836, 58.2049,
74.1782

■ 28.3508, 36.3137,
71.1615

■ 57.4226, 62.9830,
74.7769

■ 27.4365, 34.8337,
70.9240

■ 64.4000, 68.2382,
75.4235

■ 72.2493, 73.9880,
76.1197

■ 80.6680, 80.0768,
76.8512

■ 81.8770, 82.4947,
77.2542

■ 83.1171, 84.9748,
77.6675

Harmonies

Analogous

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



35.3818, 46.5364, 57.6328



37.5251, 46.5364, 72.6503



41.5456, 46.5364, 82.6587

Triad

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



37.5251, 46.5364, 72.6503



54.3184, 46.5364, 58.9362



41.9445, 46.5364, 28.0117

Complementary

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



37.5251, 46.5364, 72.6503



38.7044, 30.9311, 17.0285

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.



47.0306, 46.5364, 28.2265



37.5251, 46.5364, 72.6503



54.4459, 46.5364, 44.2923

Square

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



37.5251, 46.5364, 72.6503



51.3567, 46.5364, 73.7611



51.6927, 46.5364, 33.6415



37.7977, 46.5364, 32.9843

Rectangle

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



37.5251, 46.5364, 72.6503



44.8744, 46.5364, 84.1387



51.6927, 46.5364, 33.6415



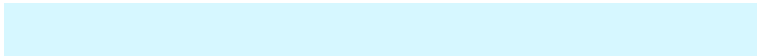
43.5947, 46.5364, 27.5138

Sweetspot

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



37.5266, 46.5382, 72.6514



79.0078, 87.8820, 107.4065



34.3277, 54.0917, 28.5753



16.5182, 18.5046, 22.9511



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.



37.5266, 46.5382, 72.6514



49.3092, 62.4361, 104.0602



27.3088, 26.1026, 69.2455



13.2081, 14.3559, 16.7270



16.6856, 21.2405, 42.9588



1.1391, 1.4923, 2.8024

Inverse Universe

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



43.3044, 28.5488, 54.2688



58.8007, 35.1090, 73.3637



48.0692, 49.6608, 20.1501



13.4949, 13.2271, 15.8674



21.9174, 10.7680, 25.0090



1.4492, 0.7093, 1.7746

Previews

White Background



This preview shows how the XYZ color 37.5251, 46.5364, 72.6503 looks on a white background.

Color Contrast Check

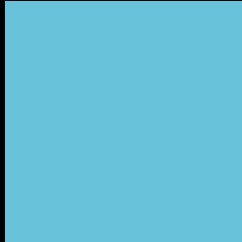
Large Text (above 18pt) WCAG AA × Fail

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 37.5251, 46.5364, 72.6503 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 37.5251, 46.5364, 72.6503

Background



This preview shows how black text looks on a background with the XYZ color 37.5251, 46.5364, 72.6503.



This preview shows how white text looks on a background with the XYZ color 37.5251, 46.5364,

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

37.5251, 46.5364, 72.6503

Protanopia

45.2871, 45.9753, 65.5187

Deuteranopia

47.1334, 46.1297, 74.8263



Tritanopia

36.7525, 46.5581, 68.6776

Trichromacy



Original Color

37.5251, 46.5364, 72.6503

Protanomaly

41.4760, 45.4682, 68.2182

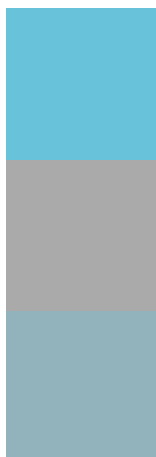
Deuteranomaly

42.6143, 45.6136, 74.2684

Tritanomaly

37.1189, 46.7179, 70.0119

Monochromacy



Original Color

37.5251, 46.5364, 72.6503

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.9438, 41.9390, 53.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5251, 46.5364, 72.6503 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(104, 194, 217)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 194, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 194, 217) }
```

Border

The CSS property to change the border of an element to XYZ 37.5251, 46.5364, 72.6503 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(104, 194, 217) }
```


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

```
.border{ border-color:rgb(104, 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(104, 194, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 194, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 194, 217);  
box-shadow:4px 4px 4px 4px rgb(104, 194,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5251, 46.5364, 72.6503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 194, 217) }
```

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

```
.background{ background-color: rgb(104,  
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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