

Converting Colors

XYZ(36.3298, 45.9773, 77.3964)

Have a look what the booklet for
XYZ(36.3298, 45.9773, 77.3964)
contains.

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Color

**XYZ(36.2260, 45.7592,
77.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	52C2E0
RGB	82, 194, 224
RGB Percent	32%, 76%, 88%
CMY	0.6784, 0.2392, 0.1216
CMYK	0.63, 0.13, 0.00, 0.12
HSL	193°, 70%, 60%
HSV	193°, 63%, 88%
XYZ	36.2260, 45.7592, 77.4441
YIQ	163.9320, -76.3820, -14.4140

Conversions

Conversions Part 2

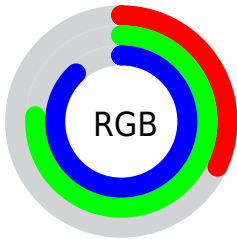
Format	Color
R _Y B	82, 145, 224
Decimal	5423840
CIE Lab	73.39, -22.78, -24.41
CIE LCh	73, 33.386, 226.979
Yxy	45.7592, 0.2272, 0.2870
Android (android.graphics.Color)	4283613920 (0xFF52C2E0)
YUV	163.9320, 29.6135, -71.8544
Hunter-Lab	67.6455, -22.7882, -20.5264

Details

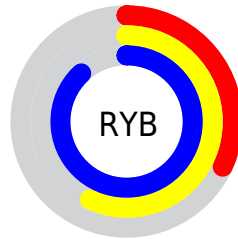
The XYZ color **36.2260, 45.7592, 77.4441** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **38.0590, 28.0466, 11.3918**, and the grayscale version is **35.1456, 36.9759, 40.2667**.

A 20% lighter version of the original color is **64.2242, 82.2341, 107.0955**, and **16.5395, 21.6207, 40.8376** is the 20% darker color. If you saturate the color by 10%, you get **33.5504, 42.8420, 77.0229**, and if you desaturate by 10%, it is **39.5737, 49.0745, 77.9084**.

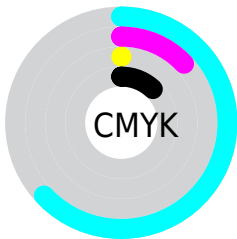
Distribution



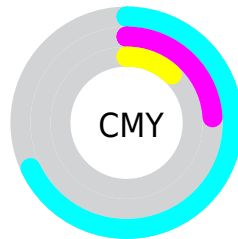
- Red (32%)
- Green (76%)
- Blue (88%)



- Red (32%)
- Yellow (57%)
- Blue (88%)



- Cyan (63%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)



- Cyan (68%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2260, 45.7592, 77.4441 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 36.2260, 45.7592, 77.4441 by changing the saturation by 10% instead.

36.2260, 45.7592,
77.4441

36.2260, 45.7592,
77.4441

321.3613,
369.8397, 505.7547

24.7797, 32.0558,
57.1037

68.7023, 83.8585,
131.5449

16.0409, 21.4042,
40.6786

90.4631, 109.0232,
166.1424

9.6441, 13.4197,
27.7502

116.3927,
138.7772, 206.3294

5.2241, 7.7182,
17.9001

146.8566,
173.5049, 252.5243

2.4154, 3.9152,
10.7096

182.2200,
213.5905, 305.1457

0.8528, 1.6262,
5.7602

222.8484,

0.0000, 0.3752,

259.4186, 364.6123

2.6334

269.1070,
311.3736, 431.3424

■ 0.0000, 0.0000,
0.9096

■ 0.0000, 0.0000,
0.0000

■ 36.2260, 45.7592,
77.4441

■ 36.2260, 45.7592,
77.4441

■ 33.5504, 42.8420,
77.0229

■ 39.5737, 49.0745,
77.9084

■ 31.4776, 40.2840,
76.6384


■ 43.6451, 52.8122,
78.4153


■ 29.9306, 38.0459,
76.2879


■ 48.4918, 57.0004,
78.9682


■ 29.1132, 36.6988,
76.0710


■ 54.1594, 61.6628,
79.5695

 60.6896, 66.8215,
80.2210

 68.1214, 72.4969,
80.9248

 76.4913, 78.7084,
81.6826

 83.5125, 84.2774,
82.3875

 84.8616, 86.9756,
82.8372

Harmonies

Analogous

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



33.5508, 45.7592, 59.8902



36.2260, 45.7592, 77.4441



40.9948, 45.7592, 88.4979

Triad

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



36.2260, 45.7592, 77.4441



55.4642, 45.7592, 57.4814



40.2740, 45.7592, 24.8286

Complementary

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



36.2260, 45.7592, 77.4441



38.0590, 28.0466, 11.3918

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.



46.0902, 45.7592, 24.4666



36.2260, 45.7592, 77.4441



55.2269, 45.7592, 40.9540

Square

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



36.2260, 45.7592, 77.4441



52.2934, 45.7592, 75.3417



51.6716, 45.7592, 29.7024



35.7394, 45.7592, 30.8365

Rectangle

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



36.2260, 45.7592, 77.4441



44.8810, 45.7592, 89.3701



51.6716, 45.7592, 29.7024



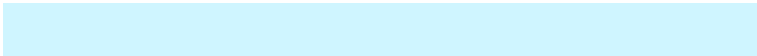
42.1334, 45.7592, 24.0996

Sweetspot

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



36.2275, 45.7609, 77.4452



76.2377, 85.5829, 107.1087



32.9730, 56.2408, 23.9859



15.7938, 17.9007, 22.8727



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.



36.2275, 45.7609, 77.4452



44.0477, 56.3402, 103.1609



24.2189, 21.7437, 73.4424



13.8579, 15.0550, 17.5632



17.0320, 21.5335, 44.3071



1.2428, 1.6171, 3.0919

Inverse Universe

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



43.4967, 25.7784, 53.7238



55.0643, 29.4768, 66.4436



48.8701, 49.6688, 14.9955



14.1645, 13.8834, 16.6365



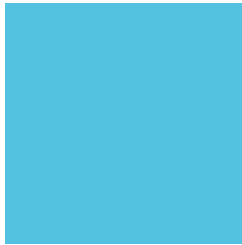
22.5372, 11.0819, 25.2922



1.5936, 0.7807, 1.9186

Previews

White Background



This preview shows how the XYZ color 36.2260, 45.7592, 77.4441 looks on a white background.

Color Contrast Check

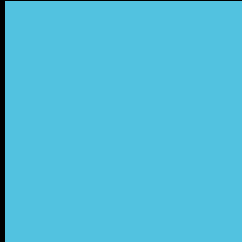
Large Text (above 18pt) WCAG AA × Fail

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 36.2260, 45.7592, 77.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

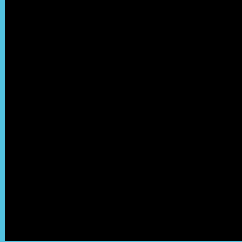
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2260, 45.7592, 77.4441

Background



This preview shows how black text looks on a background with the XYZ color 36.2260, 45.7592, 77.4441.

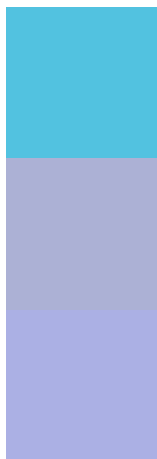


This preview shows how white text looks on a background with the XYZ color 36.2260, 45.7592,

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

36.2260, 45.7592, 77.4441

Protanopia

44.7456, 45.0190, 69.2820

Deuteranopia

46.3235, 45.3100, 79.7030



Tritanopia

34.6041, 45.7698, 69.2980

Trichromacy



Original Color

36.2260, 45.7592, 77.4441



Protanomaly

40.1053, 44.3657, 72.0953



Deuteranomaly

41.4461, 44.9020, 79.1556



Tritanomaly

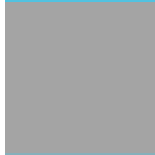
35.0517, 45.6078, 71.9215

Monochromacy



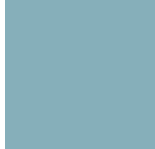
Original Color

36.2260, 45.7592, 77.4441



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

34.0244, 39.2734, 52.2416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2260, 45.7592, 77.4441 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(82, 194, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 194, 224)  
}
```

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(82, 194, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 194, 224) }
```

Border

The CSS property to change the border of an element to XYZ 36.2260, 45.7592, 77.4441 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(82, 194, 224) }
```


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

```
.border{ border-color:rgb(82, 194, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 194, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 194, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 194, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 194,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2260, 45.7592, 77.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 194, 224) }
```

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

```
.background{ background-color: rgb(82, 194,  
224) }
```

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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