

Converting Colors

XYZ(22.4054, 35.7771, 5.8684)

Have a look what the booklet for
XYZ(22.4054, 35.7771, 5.8684)
contains.

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Color

**XYZ(22.4121, 35.7793,
5.8684)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB405
RGB	107, 180, 5
RGB Percent	42%, 71%, 2%
CMY	0.5804, 0.2941, 0.9803
CMYK	0.41, 0.00, 0.97, 0.29
HSL	85°, 95%, 36%
HSV	85°, 97%, 71%
XYZ	22.4121, 35.7793, 5.8684
YIQ	138.2230, 12.6670, -69.9010

Conversions

Conversions Part 2

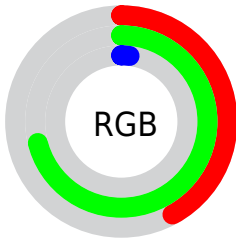
Format	Color
RYB	5, 180, 78
Decimal	7058437
CIELab	66.35, -46.06, 66.44
CIELCh	66, 80.843, 124.733
Yxy	35.7793, 0.3499, 0.5585
Android (android.graphics.Color)	4285248517 (0xFF6BB405)
YUV	138.2230, -65.6789, -27.3826
Hunter-Lab	59.8158, -37.7963, 36.0542

Details

The XYZ color **22.4121, 35.7793, 5.8684** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **11.4366, 5.0249, 43.5492**, and the grayscale version is **24.4842, 25.7593, 28.0518**.

A 20% lighter version of the original color is **46.7166, 68.4479, 18.1467**, and **8.6331, 15.5260, 2.5418** is the 20% darker color. If you saturate the color by 10%, you get **22.1368, 35.6417, 5.7128**, and if you desaturate by 10%, it is **23.4828, 36.3177, 6.5839**.

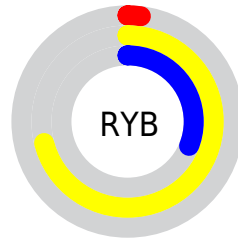
Distribution



Red (42%)

Green (71%)

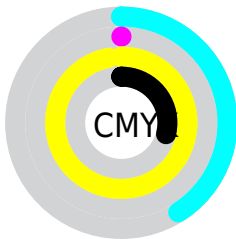
Blue (2%)



Red (2%)

Yellow (71%)

Blue (31%)

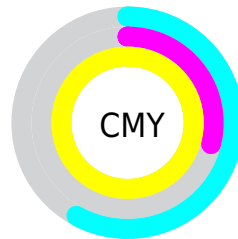


Cyan (41%)

Magenta (0%)

Yellow (97%)

Black (29%)



Cyan (58%)

Magenta (29%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4121, 35.7793, 5.8684 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 22.4121, 35.7793, 5.8684 by changing the saturation by 10% instead.

■ 22.4121, 35.7793,
5.8684

■ 22.4121, 35.7793,
5.8684

257.2830,
327.9949, 167.1559

■ 14.2783, 24.2638,
2.6977

■ 46.9000, 68.6913,
18.1301

■ 8.3975, 15.5294,
0.9423

■ 63.9848, 90.8566,
28.0581

■ 4.4043, 9.1918,
0.0000

■ 84.7839, 117.3405,
41.0757

■ 1.9333, 4.8665,
0.0000

■ 109.6629,
148.5276, 57.6014

■ 0.5961, 2.1691,
0.0000

■ 138.9869,
184.8022, 78.0538

■ 0.0000, 0.7031,
0.0000

■ 173.1213,

■ 0.0000, 0.0000,

226.5487, 102.8513

0.0000

212.4316,
274.1514, 132.4125

■ 22.4121, 35.7793,
5.8684

■ 22.4121, 35.7793,
5.8684

■ 22.1368, 35.6417,
5.7128

■ 23.4828, 36.3177,
6.5839

■ 24.7514, 36.9433,
7.9257

■ 26.2458, 37.6687,
10.0276

■ 27.9851, 38.5018,
12.9812

■ 29.9861, 39.4494,
16.8650

■ 32.2635, 40.5178,
21.7487

■ 34.8310, 41.7124,
27.6952

■ 37.7012, 43.0386,
34.7623

■ 40.8856, 44.5011,
43.0037

Harmonies

Analogous

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



32.1256, 35.7793, 3.1531



22.4121, 35.7793, 5.8684



17.0252, 35.7793, 16.8979

Triad

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



22.4121, 35.7793, 5.8684



25.0224, 35.7793, 135.4407



62.8169, 35.7793, 33.7203

Complementary

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



22.4121, 35.7793, 5.8684



11.4366, 5.0249, 43.5492

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.



59.6447, 35.7793, 74.8229



22.4121, 35.7793, 5.8684



35.9608, 35.7793, 150.0241

Square

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



22.4121, 35.7793, 5.8684



18.2630, 35.7793, 90.5018



49.0380, 35.7793, 123.2254



56.8994, 35.7793, 12.0128

Rectangle

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



22.4121, 35.7793, 5.8684



15.7204, 35.7793, 33.1631



49.0380, 35.7793, 123.2254



62.7886, 35.7793, 45.3905

Sweetspot

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



22.4129, 35.7809, 5.8692



62.0427, 75.1147, 47.5778



21.5701, 15.1533, 1.9321



12.9839, 16.0370, 9.2933



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.4129, 35.7809, 5.8692



39.8656, 64.4831, 10.3453



16.6299, 32.7996, 5.5985



8.8475, 9.7265, 9.0636



15.5273, 24.9147, 3.9906



0.5532, 0.8172, 0.1286

Inverse Universe

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



11.4366, 5.0249, 43.5492



19.9611, 8.5647, 78.8957



23.8980, 11.4490, 44.1324



8.3667, 8.3976, 10.6862



7.8531, 3.3842, 30.3763



0.3142, 0.1411, 0.9589

Previews

White Background



This preview shows how the XYZ color 22.4121, 35.7793, 5.8684 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 22.4121, 35.7793, 5.8684 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 22.4121, 35.7793, 5.8684

Background



This preview shows how black text looks on a background with the XYZ color 22.4121, 35.7793, 5.8684.



This preview shows how white text looks on a background with the XYZ color 22.4121, 35.7793,

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

22.4121, 35.7793, 5.8684

Deuteranopia

35.9038, 35.1404, 6.5595

Tritanopia

30.9116, 35.4857, 48.9363

Trichromacy



Original Color

22.4121, 35.7793, 5.8684

Deuteranomaly

29.0321, 34.1263, 5.9766

Tritanomaly

25.7091, 34.7825, 22.1883

Monochromacy



Original Color

22.4121, 35.7793, 5.8684

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

21.9891, 28.0327, 13.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4121, 35.7793, 5.8684 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(107, 180, 5)` looks like.

```
.text, #text, p{  
    color:rgb(107, 180, 5)  
}
```

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(107, 180, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 180, 5) }
```

Border

The CSS property to change the border of an element to XYZ 22.4121, 35.7793, 5.8684 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(107, 180, 5) }
```

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

```
.border{ border-color:rgb(107, 180, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 180, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 180, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 180, 5);  
box-shadow:4px 4px 4px 4px rgb(107, 180,  
5) }
```


Background

The CSS property to change the background color of an element to XYZ 22.4121, 35.7793, 5.8684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 180, 5) }
```

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

```
.background{ background-color: rgb(107,  
180, 5) }
```

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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