

Converting Colors

XYZ(22.4592, 37.0229, 6.2617)

Have a look what the booklet for
XYZ(22.4592, 37.0229, 6.2617)
contains.

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Color

**XYZ(22.4508, 37.0122,
6.2480)**

Conversions

Conversions Part 1

Format	Color
Hex	64B80A
RGB	100, 184, 10
RGB Percent	39%, 72%, 4%
CMY	0.6078, 0.2784, 0.9607
CMYK	0.46, 0.00, 0.95, 0.28
HSL	89°, 90%, 38%
HSV	89°, 95%, 72%
XYZ	22.4508, 37.0122, 6.2480
YIQ	139.0480, 5.7900, -71.9220

Conversions

Conversions Part 2

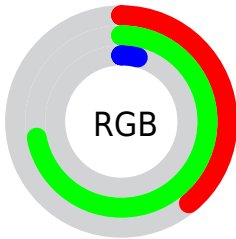
Format	Color
RYB	10, 184, 94
Decimal	6600714
CIELab	67.29, -49.91, 66.45
CIElCh	67, 83.113, 126.910
Yxy	37.0122, 0.3417, 0.5633
Android (android.graphics.Color)	4284790794 (0xFF64B80A)
YUV	139.0480, -63.6207, -34.2451
Hunter-Lab	60.8377, -40.5944, 36.4973

Details

The XYZ color **22.4508, 37.0122, 6.2480** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.3795, 6.0594, 45.8139**, and the grayscale version is **24.7968, 26.0881, 28.4100**.

A 20% lighter version of the original color is **47.0411, 70.7738, 18.9660**, and **8.7102, 16.3403, 2.6949** is the 20% darker color. If you saturate the color by 10%, you get **21.8774, 36.7241, 5.9354**, and if you desaturate by 10%, it is **23.6483, 37.6123, 7.1387**.

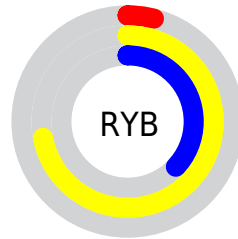
Distribution



Red (39%)

Green (72%)

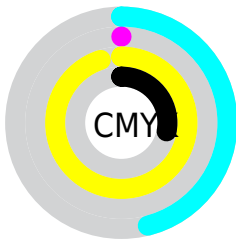
Blue (4%)



Red (4%)

Yellow (72%)

Blue (37%)

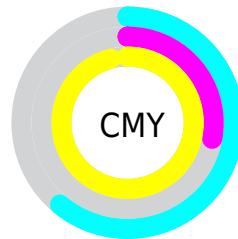


Cyan (46%)

Magenta (0%)

Yellow (95%)

Black (28%)



Cyan (61%)

Magenta (28%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4508, 37.0122, 6.2480 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 22.4508, 37.0122, 6.2480 by changing the saturation by 10% instead.

■ 22.4508, 37.0122,
6.2480

■ 22.4508, 37.0122,
6.2480

257.4798,
333.3633, 170.6467

■ 14.3070, 25.2169,
2.9252

■ 46.9633, 70.5915,
18.9300

■ 8.4176, 16.2388,
1.0566

■ 64.0626, 93.1444,
29.1263

■ 4.4173, 9.6933,
0.0000

■ 84.8779, 120.0520,
42.4509

■ 1.9408, 5.1961,
0.0000

■ 109.7744,
151.6985, 59.3223

■ 0.6004, 2.3628,
0.0000

■ 139.1174,
188.4686, 80.1590

■ 0.0000, 0.8066,
0.0000

■ 173.2725,

■ 0.0000, 0.0000,

230.7465, 105.3797

0.0000

212.6048,
278.9166, 135.4027

■ 22.4508, 37.0122,
6.2480

■ 22.4508, 37.0122,
6.2480

■ 21.8774, 36.7241,
5.9354

■ 23.6483, 37.6123,
7.1387

■ 25.0905, 38.3217,
8.7449

■ 26.8025, 39.1521,
11.1793

■ 28.8050, 40.1122,
14.5344

■ 31.1159, 41.2096,
18.8905

■ 33.7517, 42.4509,
24.3191

■ 36.7274, 43.8427,
30.8852

■ 40.0568, 45.3907,
38.6486

■ 43.7532, 47.1005,
47.6648

Harmonies

Analogous

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



32.3204, 37.0122, 3.1027



22.4508, 37.0122, 6.2480



17.1497, 37.0122, 18.6152

Triad

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



22.4508, 37.0122, 6.2480



26.4405, 37.0122, 145.0250



65.4370, 37.0122, 32.4536

Complementary

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



22.4508, 37.0122, 6.2480



13.3795, 6.0594, 45.8139

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.



62.7818, 37.0122, 74.4430



22.4508, 37.0122, 6.2480



38.2013, 37.0122, 157.3276

Square

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



22.4508, 37.0122, 6.2480



19.0358, 37.0122, 98.6254



51.9877, 37.0122, 126.1390



58.5552, 37.0122, 11.1904

Rectangle

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



22.4508, 37.0122, 6.2480



15.9866, 37.0122, 36.6447



51.9877, 37.0122, 126.1390



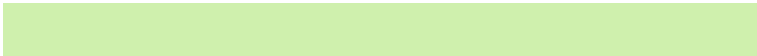
65.6520, 37.0122, 44.1906

Sweetspot

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



22.4517, 37.0138, 6.2488



64.3889, 78.4526, 51.0736



23.5823, 17.7314, 2.4673



13.3883, 16.6822, 9.9308



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.4517, 37.0138, 6.2488



39.3791, 66.4262, 10.7461



17.4068, 34.4131, 6.0127



9.3214, 10.2823, 9.6003



15.1591, 25.3511, 4.0943



0.6055, 0.9303, 0.1477

Inverse Universe

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



13.3795, 6.0594, 45.8139



22.8508, 9.9683, 82.9243



27.1679, 13.1675, 46.4591



8.9227, 8.9265, 11.3321



8.8725, 3.8851, 31.5353



0.3843, 0.1738, 1.1150

Previews

White Background



This preview shows how the XYZ color 22.4508, 37.0122, 6.2480 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 22.4508, 37.0122, 6.2480 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 22.4508, 37.0122, 6.2480

Background



This preview shows how black text looks on a background with the XYZ color 22.4508, 37.0122, 6.2480.



This preview shows how white text looks on a background with the XYZ color 22.4508, 37.0122,

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

22.4508, 37.0122, 6.2480

Protanopia

32.8644, 36.3847, 5.2908

Deuteranopia

37.2480, 36.5618, 6.9277



Tritanopia

31.4882, 36.8396, 51.3501

Trichromacy



Original Color

22.4508, 37.0122, 6.2480

Protanomaly

27.7217, 35.9069, 5.5845

Deuteranomaly

29.7822, 35.5718, 6.3950

Tritanomaly

26.0468, 36.0760, 23.6797

Monochromacy



Original Color

22.4508, 37.0122, 6.2480

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.1106, 28.5754, 14.4755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4508, 37.0122, 6.2480 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(100, 184, 10)` looks like.

```
.text, #text, p{  
    color:rgb(100, 184, 10)  
}
```

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(100, 184, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 184, 10) }
```

Border

The CSS property to change the border of an element to XYZ 22.4508, 37.0122, 6.2480 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(100, 184, 10) }
```


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

```
.border{ border-color:rgb(100, 184, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 184, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 184, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 184, 10);  
box-shadow:4px 4px 4px 4px rgb(100, 184,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4508, 37.0122, 6.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 184, 10) }
```

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

```
.background{ background-color: rgb(100,  
184, 10) }
```

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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