

Converting Colors

XYZ(22.3466, 34.2302, 6.2531)

Have a look what the booklet for
XYZ(22.3466, 34.2302, 6.2531)
contains.

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Color

**XYZ(22.4241, 34.2992,
6.2492)**

Conversions

Conversions Part 1

Format	Color
Hex	72AF17
RGB	114, 175, 23
RGB Percent	45%, 69%, 9%
CMY	0.5529, 0.3137, 0.9098
CMYK	0.35, 0.00, 0.87, 0.31
HSL	84°, 77%, 39%
HSV	84°, 87%, 69%
XYZ	22.4241, 34.2992, 6.2492
YIQ	139.4330, 12.4360, -60.2040

Conversions

Conversions Part 2

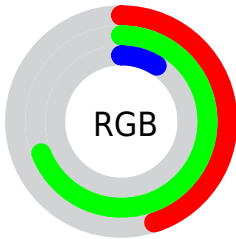
Format	Color
RYB	23, 175, 84
Decimal	7515927
CIELab	65.20, -41.04, 62.85
CIELCh	65, 75.066, 123.144
Yxy	34.2992, 0.3561, 0.5447
Android (android.graphics.Color)	4285706007 (0xFF72AF17)
YUV	139.4330, -57.4015, -22.3047
Hunter-Lab	58.5655, -34.1440, 34.6694

Details

The XYZ color **22.4241, 34.2992, 6.2492** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **11.7022, 5.5940, 41.0223**, and the grayscale version is **24.9205, 26.2183, 28.5517**.

A 20% lighter version of the original color is **47.0102, 66.4656, 18.9458**, and **8.6469, 14.7889, 2.3988** is the 20% darker color. If you saturate the color by 10%, you get **21.4214, 33.7978, 5.5528**, and if you desaturate by 10%, it is **23.6110, 34.8848, 7.5423**.

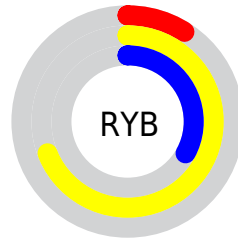
Distribution



Red (45%)

Green (69%)

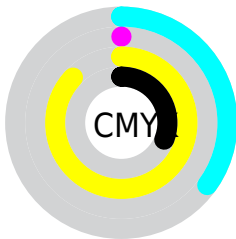
Blue (9%)



Red (9%)

Yellow (69%)

Blue (33%)

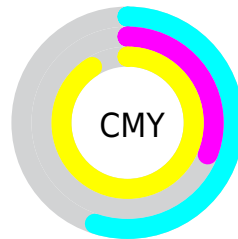


Cyan (35%)

Magenta (0%)

Yellow (87%)

Black (31%)



Cyan (55%)

Magenta (31%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4241, 34.2992, 6.2492 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 22.4241, 34.2992, 6.2492 by changing the saturation by 10% instead.

■ 22.4241, 34.2992,
6.2492

■ 22.4241, 34.2992,
6.2492

257.3440,
321.4641, 170.6576

■ 14.2872, 23.1235,
2.9260

■ 46.9196, 66.3987,
18.9325

■ 8.4037, 14.6848,
1.0570

■ 64.0089, 88.0913,
29.1297

■ 4.4083, 8.5984,
0.0000

■ 84.8131, 114.0584,
42.4552

■ 1.9356, 4.4802,
0.0000

■ 109.6974,
144.6843, 59.3277

■ 0.5974, 1.9456,
0.0000

■ 139.0274,
180.3534, 80.1656

■ 0.0000, 0.5756,
0.0000

■ 173.1682,

■ 0.0000, 0.0000,

221.4501, 105.3875

0.0000

212.4853,
268.3589, 135.4120

■ 22.4241, 34.2992,
6.2492

■ 22.4241, 34.2992,
6.2492

■ 21.4214, 33.7978,
5.5528

■ 23.6110, 34.8848,
7.5423

■ 21.1288, 33.6504,
5.3816

■ 25.0040, 35.5599,
9.5504

■ 26.6215, 36.3333,
12.3587

■ 28.4788, 37.2112,
16.0402

■ 30.5894, 38.1992,
20.6594

■ 32.9659, 39.3025,
26.2751

■ 35.6197, 40.5258,
32.9408

■ 38.5617, 41.8736,
40.7066

■ 41.8019, 43.3501,
49.6191

Harmonies

Analogous

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



31.4633, 34.2992, 3.7458



22.4241, 34.2992, 6.2492



17.2391, 34.2992, 16.2508

Triad

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



22.4241, 34.2992, 6.2492



24.0131, 34.2992, 120.6653



58.3501, 34.2992, 34.1469

Complementary

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



22.4241, 34.2992, 6.2492



11.7022, 5.5940, 41.0223

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.



55.1230, 34.2992, 71.5878



22.4241, 34.2992, 6.2492



33.7645, 34.2992, 135.1734

Square

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



22.4241, 34.2992, 6.2492



18.0025, 34.2992, 80.7608



45.4663, 34.2992, 113.6061



53.5061, 34.2992, 13.1889

Rectangle

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



22.4241, 34.2992, 6.2492



15.8944, 34.2992, 30.6243



45.4663, 34.2992, 113.6061



58.1757, 34.2992, 44.9856

Sweetspot

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



22.4249, 34.3007, 6.2499



59.2194, 70.4699, 47.4988



20.9902, 15.4871, 2.6942



12.8280, 15.5080, 9.7483



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.4249, 34.3007, 6.2499



37.5863, 60.1335, 9.6259



16.2925, 31.1394, 5.9630



8.3469, 9.1674, 8.5429



15.2011, 24.1335, 3.8571



0.4825, 0.7021, 0.1101

Inverse Universe

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



11.7022, 5.5940, 41.0223



18.1813, 7.7719, 73.1787



22.5030, 11.1619, 41.5278



7.8718, 7.9082, 10.0642



7.4281, 3.1892, 29.2686



0.2695, 0.1211, 0.8172

Previews

White Background



This preview shows how the XYZ color 22.4241, 34.2992, 6.2492 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 22.4241, 34.2992, 6.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

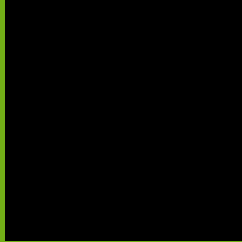
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.4241, 34.2992, 6.2492

Background



This preview shows how black text looks on a background with the XYZ color 22.4241, 34.2992, 6.2492.



This preview shows how white text looks on a background with the XYZ color 22.4241, 34.2992, 6.2492.

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

22.4241, 34.2992, 6.2492

Protanopia

30.6881, 33.9592, 5.4677

Deuteranopia

34.4192, 33.6539, 6.6892



Tritanopia

30.4494, 34.2345, 46.0774

Trichromacy



Original Color

22.4241, 34.2992, 6.2492

Protanomaly

26.9106, 33.5665, 5.6767

Deuteranomaly

28.4519, 32.7847, 6.3419

Tritanomaly

25.6663, 33.3535, 22.8544

Monochromacy



Original Color

22.4241, 34.2992, 6.2492

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.5918, 28.0654, 15.5357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4241, 34.2992, 6.2492 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(114, 175, 23)` looks like.

```
.text, #text, p{  
    color:rgb(114, 175, 23)  
}
```

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(114, 175, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 175, 23) }
```

Border

The CSS property to change the border of an element to XYZ 22.4241, 34.2992, 6.2492 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(114, 175, 23) }
```


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

```
.border{ border-color:rgb(114, 175, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 175, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 175, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 175, 23);  
box-shadow:4px 4px 4px 4px rgb(114, 175,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4241, 34.2992, 6.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 175, 23) }
```

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

```
.background{ background-color: rgb(114,  
175, 23) }
```

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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