

Converting Colors

XYZ(13.6796, 21.9546, 5.6032)

Have a look what the booklet for
XYZ(13.6796, 21.9546, 5.6032)
contains.

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Color

**XYZ(13.7501, 22.0732,
5.6337)**

Conversions

Conversions Part 1

Format	Color
Hex	4F9129
RGB	79, 145, 41
RGB Percent	31%, 57%, 16%
CMY	0.6902, 0.4314, 0.8392
CMYK	0.46, 0.00, 0.72, 0.43
HSL	98°, 56%, 36%
HSV	98°, 72%, 57%
XYZ	13.7501, 22.0732, 5.6337
YIQ	113.4100, -5.9520, -46.3360

Conversions

Conversions Part 2

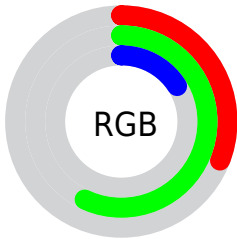
Format	Color
RYB	41, 145, 107
Decimal	5214505
CIELab	54.10, -39.70, 46.34
CIELCh	54, 61.022, 130.583
Yxy	22.0732, 0.3317, 0.5324
Android (android.graphics.Color)	4283404585 (0xFF4F9129)
YUV	113.4100, -35.6981, -30.1776
Hunter-Lab	46.9821, -29.9777, 25.7779

Details

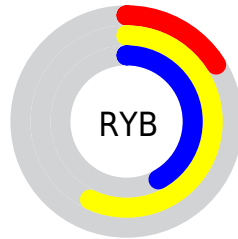
The XYZ color **13.7501, 22.0732, 5.6337** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.9684, 6.7568, 27.4627**, and the grayscale version is **15.9228, 16.7520, 18.2430**.

A 20% lighter version of the original color is **32.0721, 46.6237, 17.6648**, and **4.2713, 8.1439, 1.3468** is the 20% darker color. If you saturate the color by 10%, you get **12.8292, 21.6232, 4.5046**, and if you desaturate by 10%, it is **14.8713, 22.6171, 7.2599**.

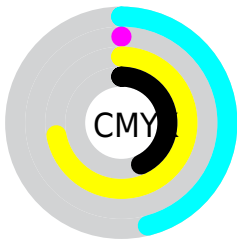
Distribution



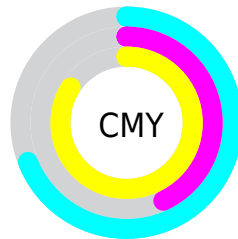
- Red (31%)
- Green (57%)
- Blue (16%)



- Red (16%)
- Yellow (57%)
- Blue (42%)



- Cyan (46%)
- Magenta (0%)
- Yellow (72%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7501, 22.0732, 5.6337 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 13.7501, 22.0732, 5.6337 by changing the saturation by 10% instead.

■ 13.7501, 22.0732,
5.6337

■ 13.7501, 22.0732,
5.6337

209.2125,
262.9283, 164.9469

■ 8.0276, 13.9107,
2.5585

■ 32.2349, 46.8670,
17.6301

■ 4.1646, 8.0586,
0.8709

■ 45.7280, 64.2670,
27.3883

■ 1.7957, 4.1325,
0.0000

■ 62.5419, 85.5150,
40.2114

■ 0.5150, 1.7479,
0.0000

■ 83.0421, 110.9954,
56.5177

■ 0.0000, 0.4544,
0.0000

■ 107.5939,
141.0925, 76.7259

■ 0.0000, 0.0000,
0.0000

■ 136.5627,

176.1907, 101.2544

170.3137,
216.6746, 130.5219

■ 13.7501, 22.0732,
5.6337

■ 13.7501, 22.0732,
5.6337

■ 12.8292, 21.6232,
4.5046

■ 14.8713, 22.6171,
7.2599

■ 12.0919, 21.2576,
3.8138

■ 16.2046, 23.2577,
9.4302

■ 11.5928, 21.0080,
3.4439

■ 17.7623, 24.0013,
12.1881

■ 19.5555, 24.8527,
15.5721

■ 21.5944, 25.8164,
19.6173

■ 23.8885, 26.8965,
24.3566

■ 26.4467, 28.0971,
29.8203

■ 29.2777, 29.4218,
36.0371

■ 32.3895, 30.8744,
43.0341

Harmonies

Analogous

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



18.7312, 22.0732, 3.0721



13.7501, 22.0732, 5.6337



11.1308, 22.0732, 13.8500

Triad

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



13.7501, 22.0732, 5.6337



17.0318, 22.0732, 77.3047



36.1181, 22.0732, 17.9495

Complementary

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



13.7501, 22.0732, 5.6337



11.9684, 6.7568, 27.4627

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.



35.3951, 22.0732, 38.2800



13.7501, 22.0732, 5.6337



23.4018, 22.0732, 80.5103

Square

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



13.7501, 22.0732, 5.6337



12.7317, 22.0732, 56.3430



30.3822, 22.0732, 63.6337



32.1890, 22.0732, 7.2795

Rectangle

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



13.7501, 22.0732, 5.6337



10.6641, 22.0732, 24.4060



30.3822, 22.0732, 63.6337



36.4286, 22.0732, 23.6657

Sweetspot

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



13.7506, 22.0741, 5.6342



38.3863, 46.0971, 34.5548



17.3221, 16.6685, 4.4025



8.3400, 10.1606, 7.2861



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.7506, 22.0741, 5.6342



22.1351, 38.3073, 7.2294



11.7270, 20.9979, 7.0331



5.5173, 6.1193, 5.7797



9.9698, 18.0322, 2.9551



0.1180, 0.1841, 0.0293

Inverse Universe

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



11.9684, 6.7568, 27.4627



18.6473, 9.1179, 48.7507



16.5767, 9.2486, 22.4328



5.4378, 5.4139, 6.7871



8.2007, 3.7212, 23.2631



0.1027, 0.0481, 0.2235

Previews

White Background



This preview shows how the XYZ color 13.7501, 22.0732, 5.6337 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7501, 22.0732, 5.6337 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 × Fail

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

XYZ 13.7501, 22.0732, 5.6337

Background



This preview shows how black text looks on a background with the XYZ color 13.7501, 22.0732, 5.6337.



This preview shows how white text looks on a background with the XYZ color 13.7501, 22.0732,

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

13.7501, 22.0732, 5.6337

Protanopia

19.6858, 21.7634, 4.9135

Deuteranopia

22.0111, 21.6144, 5.9176



Tritanopia

18.6762, 21.8901, 30.4350

Trichromacy



Original Color

13.7501, 22.0732, 5.6337

Protanomaly

16.7596, 21.4610, 5.0928

Deuteranomaly

17.8358, 20.9878, 5.6958

Tritanomaly

16.1558, 21.7216, 17.5285

Monochromacy



Original Color

13.7501, 22.0732, 5.6337

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.4207, 18.1221, 11.7547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7501, 22.0732, 5.6337 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(79, 145, 41)` looks like.

```
.text, #text, p{  
    color:rgb(79, 145, 41)  
}
```

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(79, 145, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 145, 41) }
```

Border

The CSS property to change the border of an element to XYZ 13.7501, 22.0732, 5.6337 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(79, 145, 41) }
```


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

```
.border{ border-color:rgb(79, 145, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 145, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 145, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 145, 41);  
box-shadow:4px 4px 4px 4px rgb(79, 145,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7501, 22.0732, 5.6337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 145, 41) }
```

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

```
.background{ background-color: rgb(79, 145,  
41) }
```

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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