

Converting Colors

XYZ(13.7765, 22.0909, 9.0572)

Have a look what the booklet for
XYZ(13.7765, 22.0909, 9.0572)
contains.

XYZ(13.6946, 21.9702, 8.9877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.6946, 21.9702,
8.9877)**

Conversions

Conversions Part 1

Format	Color
Hex	469144
RGB	70, 145, 68
RGB Percent	27%, 57%, 27%
CMY	0.7255, 0.4314, 0.7333
CMYK	0.52, 0.00, 0.53, 0.43
HSL	118°, 36%, 42%
HSV	118°, 53%, 57%
XYZ	13.6946, 21.9702, 8.9877
YIQ	113.7970, -19.9830, -39.8470

Conversions

Conversions Part 2

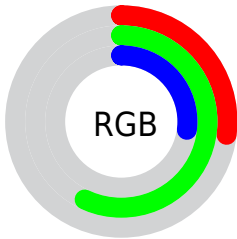
Format	Color
RYB	68, 145, 143
Decimal	4624708
CIELab	54.00, -39.58, 33.60
CIELCh	54, 51.919, 139.672
Yxy	21.9702, 0.3067, 0.4920
Android (android.graphics.Color)	4282814788 (0xFF469144)
YUV	113.7970, -22.5779, -38.4100
Hunter-Lab	46.8724, -29.8747, 21.4419

Details

The XYZ color **13.6946, 21.9702, 8.9877** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.5065, 12.0188, 28.1336**, and the grayscale version is **16.0037, 16.8371, 18.3356**.

A 20% lighter version of the original color is **32.2365, 46.9016, 24.4934**, and **4.1790, 8.0817, 2.0015** is the 20% darker color. If you saturate the color by 10%, you get **12.4041, 21.3505, 6.8963**, and if you desaturate by 10%, it is **15.3353, 22.7591, 11.6679**.

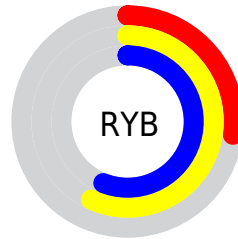
Distribution



Red (27%)

Green (57%)

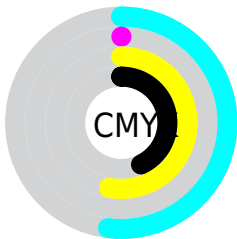
Blue (27%)



Red (27%)

Yellow (57%)

Blue (56%)

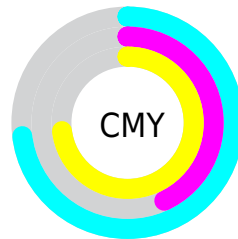


Cyan (52%)

Magenta (0%)

Yellow (53%)

Black (43%)



Cyan (73%)

Magenta (43%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6946, 21.9702, 8.9877 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 13.6946, 21.9702, 8.9877 by changing the saturation by 10% instead.

■ 13.6946, 21.9702,
8.9877

■ 13.6946, 21.9702,
8.9877

208.8714,
262.3906, 193.5008

■ 7.9888, 13.8350,
4.6365

■ 32.1370, 46.6967,
24.4505

■ 4.1396, 8.0060,
1.9806

■ 45.6043, 64.0569,
36.3992

■ 1.7814, 4.0988,
0.5433

■ 62.3895, 85.2608,
51.7174

■ 0.5064, 1.7290,
0.0000

■ 82.8579, 110.6928,
70.8238

■ 0.0000, 0.4423,
0.0000

■ 107.3750,
140.7375, 94.1367

■ 0.0000, 0.0000,
0.0000

136.3060,

175.7790, 122.0748

170.0164,
216.2020, 155.0567

■ 13.6946, 21.9702,
8.9877

■ 13.6946, 21.9702,
8.9877

■ 12.4041, 21.3505,
6.8963

■ 15.3353, 22.7591,
11.6679

■ 11.4368, 20.8852,
5.3480

■ 17.3475, 23.7252,
14.9750

■ 10.7648, 20.5613,
4.2931

■ 19.7524, 24.8796,
18.9456

■ 10.3541, 20.3630,
3.6719

■ 22.5695, 26.2315,
23.6133

■ 10.1729, 20.2759,
3.3775

■ 25.8166, 27.7894,
29.0091

■ 29.5109, 29.5615,
35.1624

■ 33.6684, 31.5555,
42.1008

■ 38.3043, 33.7787,
49.8507

■ 43.4332, 36.2380,
58.4370

Harmonies

Analogous

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



17.4592, 21.9702, 5.0364



13.6946, 21.9702, 8.9877



11.9705, 21.9702, 18.8023

Triad

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



13.6946, 21.9702, 8.9877



19.0082, 21.9702, 68.9651



32.7670, 21.9702, 14.9611

Complementary

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



13.6946, 21.9702, 8.9877



18.5065, 12.0188, 28.1336

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.



33.3846, 21.9702, 29.8952



13.6946, 21.9702, 8.9877



24.7253, 21.9702, 66.3620

Square

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



13.6946, 21.9702, 8.9877



14.6534, 21.9702, 56.0221



30.2258, 21.9702, 49.9821



28.6646, 21.9702, 7.2604

Rectangle

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



13.6946, 21.9702, 8.9877



11.9557, 21.9702, 29.4926



30.2258, 21.9702, 49.9821



33.4140, 21.9702, 19.1008

Sweetspot

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



13.6951, 21.9711, 8.9882



38.7046, 46.1532, 39.4460



22.4590, 25.9133, 9.2872



8.4048, 10.1687, 8.4347



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.



13.6951, 21.9711, 8.9882



21.7780, 38.0249, 11.6497



15.0052, 22.4788, 16.6275



5.3550, 6.0356, 5.7721



8.7288, 17.3925, 2.8970



0.0855, 0.1674, 0.0278

Inverse Universe

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



18.5065, 12.0188, 28.1336



31.3597, 18.1717, 49.8282



16.5088, 11.2601, 15.7908



5.6126, 5.5040, 6.7953



13.8433, 6.6301, 23.5272



0.1352, 0.0648, 0.2251

Previews

White Background



This preview shows how the XYZ color 13.6946, 21.9702, 8.9877 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 13.6946, 21.9702, 8.9877 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 13.6946, 21.9702, 8.9877

Background



This preview shows how black text looks on a background with the XYZ color 13.6946, 21.9702, 8.9877.



This preview shows how white text looks on a background with the XYZ color 13.6946, 21.9702,

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

13.6946, 21.9702, 8.9877

Protanopia

19.7717, 21.5480, 7.8197

Deuteranopia

21.9059, 21.4814, 9.4703



Tritanopia

18.0011, 21.7411, 30.8515

Trichromacy



Original Color

13.6946, 21.9702, 8.9877

Protanomaly

16.6817, 21.1449, 8.2032

Deuteranomaly

17.6098, 20.7931, 9.2162

Tritanomaly

15.8960, 21.5226, 20.4560

Monochromacy



Original Color

13.6946, 21.9702, 8.9877

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.5283, 18.1270, 14.0424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6946, 21.9702, 8.9877 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(70, 145, 68)` looks like.

```
.text, #text, p{  
    color:rgb(70, 145, 68)  
}
```

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(70, 145, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 145, 68) }
```

Border

The CSS property to change the border of an element to XYZ 13.6946, 21.9702, 8.9877 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(70, 145, 68) }
```


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

```
.border{ border-color:rgb(70, 145, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 145, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 145, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 145, 68);  
box-shadow:4px 4px 4px 4px rgb(70, 145,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6946, 21.9702, 8.9877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 145, 68) }
```

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

```
.background{ background-color: rgb(70, 145,  
68) }
```

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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