

Converting Colors

XYZ(21.9686, 33.7661, 6.7983)

Have a look what the booklet for
XYZ(21.9686, 33.7661, 6.7983)
contains.

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Color

**XYZ(21.9661, 33.7614,
6.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	6FAE21
RGB	111, 174, 33
RGB Percent	44%, 68%, 13%
CMY	0.5647, 0.3176, 0.8706
CMYK	0.36, 0.00, 0.81, 0.32
HSL	87°, 68%, 41%
HSV	87°, 81%, 68%
XYZ	21.9661, 33.7614, 6.7977
YIQ	139.0890, 7.7130, -57.2070

Conversions

Conversions Part 2

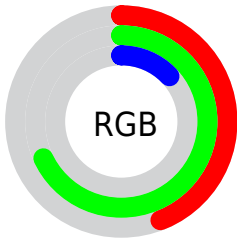
Format	Color
RYB	33, 174, 96
Decimal	7319073
CIELab	64.77, -41.32, 59.92
CIELCh	65, 72.788, 124.589
Yxy	33.7614, 0.3513, 0.5400
Android (android.graphics.Color)	4285509153 (0xFF6FAE21)
YUV	139.0890, -52.3019, -24.6341
Hunter-Lab	58.1046, -34.2021, 33.7368

Details

The XYZ color **21.9661, 33.7614, 6.7977** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.0094, 6.6316, 40.6407**, and the grayscale version is **24.7691, 26.0590, 28.3782**.

A 20% lighter version of the original color is **46.1215, 65.5644, 20.1219**, and **8.3587, 14.4590, 2.3503** is the 20% darker color. If you saturate the color by 10%, you get **20.8467, 33.2066, 5.7857**, and if you desaturate by 10%, it is **23.2982, 34.4134, 8.4783**.

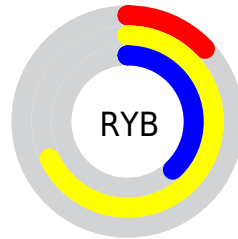
Distribution



Red (44%)

Green (68%)

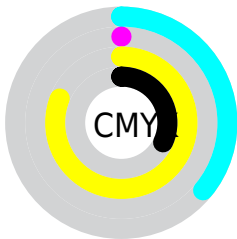
Blue (13%)



Red (13%)

Yellow (68%)

Blue (38%)

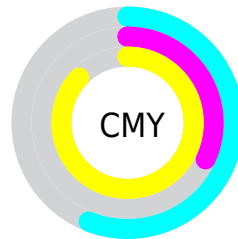


Cyan (36%)

Magenta (0%)

Yellow (81%)

Black (32%)



Cyan (56%)


Magenta (32%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9661, 33.7614, 6.7977 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 21.9661, 33.7614, 6.7977 by changing the saturation by 10% instead.


 21.9661, 33.7614,
6.7977


 21.9661, 33.7614,
6.7977


255.0049,
319.0668, 175.5387


 13.9485, 22.7104,
3.2594


 46.1692, 65.5625,
20.0710


 8.1663, 14.3798,
1.2286


 63.0854, 87.0813,
30.6430

 4.2542, 8.3853,
0.0021


 83.6985, 112.8581,
44.3967

 1.8469, 4.3425,
0.0000

 108.3739,
143.2774, 61.7505

 0.5457, 1.8669,
0.0000

 137.4768,
178.7235, 83.1231

 0.0000, 0.5284,
0.0000

 171.3727,

 0.0000, 0.0000,

219.5809, 108.9330

0.0000

210.4270,
266.2338, 139.5986

■ 21.9661, 33.7614,
6.7977

■ 21.9661, 33.7614,
6.7977

■ 20.8467, 33.2066,
5.7857

■ 23.2982, 34.4134,
8.4783

■ 19.9871, 32.7740,
5.2726

■ 24.8598, 35.1661,
10.9155

■ 26.6682, 36.0279,
14.1861

■ 28.7380, 37.0047,
18.3570

■ 31.0823, 38.1021,
23.4882

■ 33.7136, 39.3252,
29.6346

■ 36.6431, 40.6789,
36.8469

■ 39.8816, 42.1674,
45.1724

■ 43.4392, 43.7952,
54.6558

Harmonies

Analogous

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



30.5057, 33.7614, 4.0403



21.9661, 33.7614, 6.7977



17.1269, 33.7614, 17.1592

Triad

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



21.9661, 33.7614, 6.7977



24.2045, 33.7614, 117.2716



56.6222, 33.7614, 32.3387

Complementary

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



21.9661, 33.7614, 6.7977



13.0094, 6.6316, 40.6407

Split Complementary

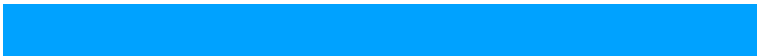
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.9174, 33.7614, 67.4561



21.9661, 33.7614, 6.7977



33.7266, 33.7614, 129.3480

Square

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



21.9661, 33.7614, 6.7977



18.2084, 33.7614, 80.1513



44.9244, 33.7614, 107.5585



51.6734, 33.7614, 12.7874

Rectangle

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



21.9661, 33.7614, 6.7977



15.9336, 33.7614, 31.5887



44.9244, 33.7614, 107.5585



56.5855, 33.7614, 42.4679

Sweetspot

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



21.9669, 33.7629, 6.7984



59.4710, 70.5499, 49.7559



21.7431, 17.1331, 3.6004



12.8475, 15.5082, 10.1941



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.



21.9669, 33.7629, 6.7984



36.4824, 59.5601, 9.7689



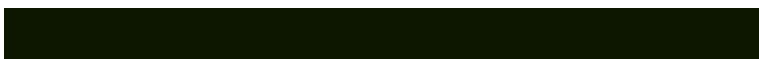
16.3829, 30.8842, 6.5371



8.3121, 9.1495, 8.5413



14.5652, 23.8057, 3.8273



0.4669, 0.6941, 0.1094

Inverse Universe

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



13.0094, 6.6316, 40.6407



19.7787, 8.7051, 73.2747



23.6192, 12.1011, 41.1372



7.9059, 7.9258, 10.0658



7.8717, 3.4179, 29.2893



0.2825, 0.1278, 0.8178

Previews

White Background



This preview shows how the XYZ color 21.9661, 33.7614, 6.7977 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 21.9661, 33.7614, 6.7977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

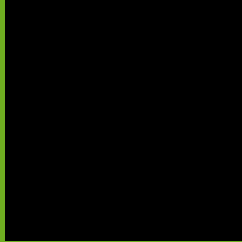
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.9661, 33.7614, 6.7977

Background



This preview shows how black text looks on a background with the XYZ color 21.9661, 33.7614, 6.7977.



This preview shows how white text looks on a background with the XYZ color 21.9661, 33.7614,

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

21.9661, 33.7614, 6.7977

Protanopia

30.1711, 33.4279, 5.9607

Deuteranopia

33.8480, 33.1128, 7.1922



Tritanopia

29.7115, 33.6029, 45.4775

Trichromacy



Original Color

21.9661, 33.7614, 6.7977

Protanomaly

26.2804, 32.9635, 6.2058

Deuteranomaly

27.9743, 32.2734, 6.8528

Tritanomaly

25.2374, 32.8401, 23.7475

Monochromacy



Original Color

21.9661, 33.7614, 6.7977

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.5817, 28.0437, 16.2794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9661, 33.7614, 6.7977 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(111, 174, 33)` looks like.

```
.text, #text, p{  
    color:rgb(111, 174, 33)  
}
```

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(111, 174, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 174, 33) }
```

Border

The CSS property to change the border of an element to XYZ 21.9661, 33.7614, 6.7977 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(111, 174, 33) }
```


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

```
.border{ border-color:rgb(111, 174, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 174, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 174, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 174, 33);  
box-shadow:4px 4px 4px 4px rgb(111, 174,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9661, 33.7614, 6.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 174, 33) }
```

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

```
.background{ background-color: rgb(111,  
174, 33) }
```

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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