

Converting Colors

XYZ(13.7406, 6.8913, 61.6227)

Have a look what the booklet for
XYZ(13.7406, 6.8913, 61.6227)
contains.

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Color

**XYZ(13.7412, 6.9171,
61.5837)**

Conversions

Conversions Part 1

Format	Color
Hex	3229D2
RGB	50, 41, 210
RGB Percent	20%, 16%, 82%
CMY	0.8039, 0.8392, 0.1765
CMYK	0.76, 0.80, 0.00, 0.18
HSL	243°, 67%, 49%
HSV	243°, 80%, 82%
XYZ	13.7412, 6.9171, 61.5837
YIQ	62.9570, -48.8850, 54.4670

Conversions

Conversions Part 2

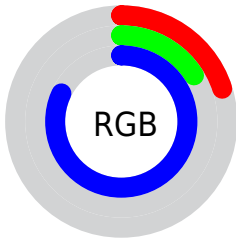
Format	Color
RYB	50, 41, 210
Decimal	3287506
CIELab	31.62, 57.17, -83.30
CIELCh	32, 101.033, 304.464
Yxy	6.9171, 0.1671, 0.0841
Android (android.graphics.Color)	4281477586 (0xFF3229D2)
YUV	62.9570, 72.4922, -11.3633
Hunter-Lab	26.3004, 47.2355, -120.4203

Details

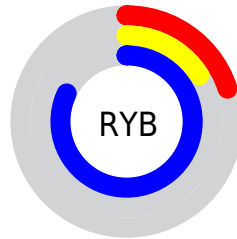
The XYZ color **13.7412, 6.9171, 61.5837** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **47.5298, 58.6687, 10.9165**, and the grayscale version is **4.6210, 4.8616, 5.2943**.

A 20% lighter version of the original color is **29.9595, 18.9131, 96.6793**, and **5.8327, 2.3331, 30.7148** is the 20% darker color. If you saturate the color by 10%, you get **12.4223, 5.4314, 61.3667**, and if you desaturate by 10%, it is **15.8733, 9.3960, 61.9501**.

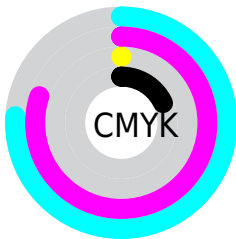
Distribution



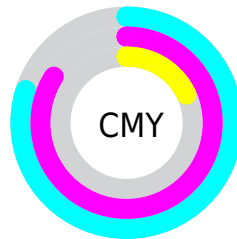
- Red (20%)
- Green (16%)
- Blue (82%)



- Red (20%)
- Yellow (16%)
- Blue (82%)



- Cyan (76%)
- Magenta (80%)
- Yellow (0%)
- Black (18%)



- Cyan (80%)
- Magenta (84%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7412, 6.9171, 61.5837 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 13.7412, 6.9171, 61.5837 by changing the saturation by 10% instead.

■ 13.7412, 6.9171,
61.5837

■ 13.7412, 6.9171,
61.5837

209.1578,
166.9731, 448.3766

■ 8.0214, 3.4103,
44.2628

■ 32.2192, 19.8062,
108.6894

■ 4.1606, 1.3495,
30.5384

■ 45.7082, 29.9574,
139.3112

■ 1.7934, 0.1791,
19.9921

■ 62.5175, 43.0921,
175.2038

■ 0.5137, 0.0000,
12.2053

■ 83.0126, 59.5948,
216.7857

■ 0.0000, 0.0000,
6.7594

■ 107.5588, 79.8498,
264.4753

■ 0.0000, 0.0000,
3.2359

■ 136.5215,

■ 0.0000, 0.0000,

104.2416, 318.6914

1.2163

170.2661,
133.1546, 379.8523

■ 0.0000, 0.0000,
0.0000

■ 13.7412, 6.9171,
61.5837

■ 13.7412, 6.9171,
61.5837

■ 12.4223, 5.4314,
61.3667

■ 15.8733, 9.3960,
61.9501

■ 11.7736, 4.7257,
61.2647

■ 18.9201, 13.0013,
62.4853

■ 22.9699, 17.8456,
63.2070

■ 28.1002, 24.0282,
64.1299

■ 34.3807, 31.6379,
65.2677

■ 41.8755, 40.7563,
66.6327

■ 50.6437, 51.4585,
68.2363

■ 60.7409, 63.8147,
70.0891

■ 72.2192, 77.8910,
72.2012

Harmonies

Analogous

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



7.3595, 6.9171, 83.1724



13.7412, 6.9171, 61.5837



19.8021, 6.9171, 27.0008

Triad

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



13.7412, 6.9171, 61.5837



11.7107, 6.9171, 0.0000



0.8682, 6.9171, 9.9097

Complementary

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



13.7412, 6.9171, 61.5837



47.5298, 58.6687, 10.9165

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.



1.1290, 6.9171, 0.7663



13.7412, 6.9171, 61.5837



5.8474, 6.9171, 0.0000

Square

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



13.7412, 6.9171, 61.5837



18.2675, 6.9171, 0.0000



2.4687, 6.9171, 0.0000



1.3790, 6.9171, 36.7677

Rectangle

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



13.7412, 6.9171, 61.5837



21.7460, 6.9171, 10.5449



2.4687, 6.9171, 0.0000



0.8724, 6.9171, 5.1550

Sweetspot

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



13.7417, 6.9172, 61.5839



60.3404, 57.5937, 102.5442



33.5623, 47.1548, 68.3059



12.0276, 11.2476, 21.7870



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



13.7417, 6.9172, 61.5839



18.4391, 7.5438, 95.0920



22.2490, 11.3028, 61.9821



11.2212, 11.4473, 14.8618



7.2083, 2.8963, 37.3716



0.4240, 0.1727, 2.0906

Inverse Universe

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



37.9119, 19.5035, 57.0144



57.3204, 27.8250, 86.1989



30.7894, 50.0387, 10.1331



12.2824, 11.9977, 14.7631



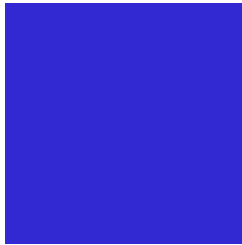
22.4983, 10.8721, 33.8596



1.2665, 0.6113, 1.9381

Previews

White Background



This preview shows how the XYZ color 13.7412, 6.9171, 61.5837 looks on a white background.

Color Contrast Check

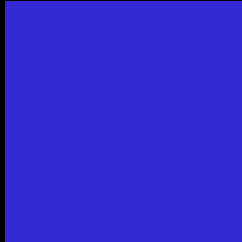
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 13.7412, 6.9171, 61.5837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

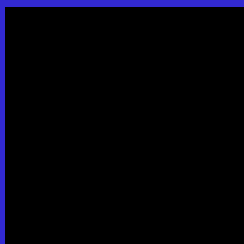
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7412, 6.9171, 61.5837

Background



This preview shows how black text looks on a background with the XYZ color 13.7412, 6.9171, 61.5837.



This preview shows how white text looks on a background with the XYZ color 13.7412, 6.9171,

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

13.7412, 6.9171, 61.5837

Protanopia

7.8224, 6.8367, 29.7615

Deuteranopia

6.4807, 6.7274, 21.3790



Tritanopia

4.7376, 6.7227, 10.0647

Trichromacy



Original Color

13.7412, 6.9171, 61.5837

Protanomaly

9.3646, 6.4446, 39.7801

Deuteranomaly

8.1985, 6.1522, 33.1031

Tritanomaly

6.4215, 5.8089, 22.6126

Monochromacy



Original Color

13.7412, 6.9171, 61.5837

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.2635, 4.8929, 17.1373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7412, 6.9171, 61.5837 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(50, 41, 210)` looks like.

```
.text, #text, p{  
    color:rgb(50, 41, 210)  
}
```

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(50, 41, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 41, 210) }
```

Border

The CSS property to change the border of an element to XYZ 13.7412, 6.9171, 61.5837 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(50, 41, 210) }
```


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

```
.border{ border-color:rgb(50, 41, 210) }
```

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

Here you see how a box with a 4 pixel rgb(50, 41, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 41, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 41, 210);  
box-shadow:4px 4px 4px 4px rgb(50, 41,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7412, 6.9171, 61.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 41, 210) }
```

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

```
.background{ background-color: rgb(50, 41,  
210) }
```

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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