

Converting Colors

XYZ(13.7020, 12.2138, 40.6867)

Have a look what the booklet for
XYZ(13.7020, 12.2138, 40.6867)
contains.

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Color

**XYZ(13.7186, 12.2868,
40.6783)**

Conversions

Conversions Part 1

Format	Color
Hex	415FAC
RGB	65, 95, 172
RGB Percent	25%, 37%, 67%
CMY	0.7451, 0.6274, 0.3255
CMYK	0.62, 0.45, 0.00, 0.33
HSL	223°, 45%, 46%
HSV	223°, 62%, 67%
XYZ	13.7186, 12.2868, 40.6783
YIQ	94.8080, -42.5970, 17.5870

Conversions

Conversions Part 2

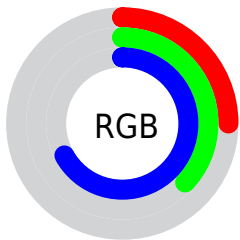
Format	Color
R _{YB}	65, 88, 172
Decimal	4284332
CIE _{Lab}	41.67, 13.71, -44.62
CIE _{LCh}	42, 46.675, 287.077
Yxy	12.2868, 0.2057, 0.1843
Android (android.graphics.Color)	4282474412 (0xFF415FAC)
YUV	94.8080, 38.0557, -26.1416
Hunter-Lab	35.0525, 8.5181, -44.2690

Details

The XYZ color **13.7186, 12.2868, 40.6783** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **27.6415, 28.5001, 9.0461**, and the grayscale version is **10.7512, 11.3111, 12.3178**.

A 20% lighter version of the original color is **32.1550, 29.9898, 77.4926**, and **4.4704, 3.6131, 17.9145** is the 20% darker color. If you saturate the color by 10%, you get **11.7207, 9.7312, 40.2906**, and if you desaturate by 10%, it is **16.2414, 15.3763, 41.1419**.

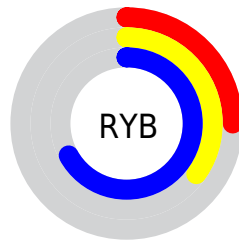
Distribution



Red (25%)

Green (37%)

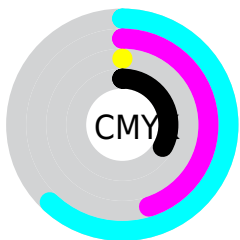
Blue (67%)



Red (25%)

Yellow (35%)

Blue (67%)

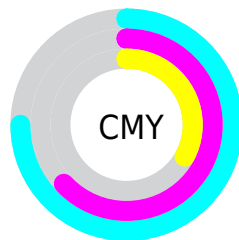


Cyan (62%)

Magenta (45%)

Yellow (0%)

Black (33%)



Cyan (75%)

Magenta (63%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7186, 12.2868, 40.6783 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 13.7186, 12.2868, 40.6783 by changing the saturation by 10% instead.

■ 13.7186, 12.2868,
40.6783

■ 13.7186, 12.2868,
40.6783

209.0190,
206.2948, 364.6110

■ 8.0056, 6.9393,
27.7500

■ 32.1793, 30.0164,
77.4437

■ 4.1504, 3.4242,
17.8999

■ 45.6578, 43.1673,
102.1178

■ 1.7875, 1.3570,
10.7094

■ 62.4554, 59.6881,
131.5443

■ 0.5102, 0.1847,
5.7601

■ 82.9376, 79.9632,
166.1417

■ 0.0000, 0.0000,
2.6333

■ 107.4697,
104.3771, 206.3285

■ 0.0000, 0.0000,
0.9096

136.4171,

■ 0.0000, 0.0000,

133.3140, 252.5233

0.0000

170.1450,
167.1585, 305.1446

■ 13.7186, 12.2868,
40.6783

■ 13.7186, 12.2868,
40.6783

■ 11.7207, 9.7312,
40.2906

■ 16.2414, 15.3763,
41.1419

■ 10.2052, 7.6748,
39.9735

■ 19.3238, 19.0288,
41.6845

■ 9.1248, 6.0799,
39.7226

■ 22.9994, 23.2726,
42.3099

■ 8.5124, 5.1104,
39.5678

■ 27.2983, 28.1335,
43.0216

■ 32.2488, 33.6359,
43.8227

■ 37.8771, 39.8026,
44.7164

■ 44.2082, 46.6555,
45.7054

■ 51.2657, 54.2152,
46.7926

■ 59.0720, 62.5017,
47.9806

Harmonies

Analogous

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



10.2680, 12.2868, 41.4248



13.7186, 12.2868, 40.6783



17.1883, 12.2868, 30.7475

Triad

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



13.7186, 12.2868, 40.6783



16.7556, 12.2868, 3.7810



6.3682, 12.2868, 9.5917

Complementary

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



13.7186, 12.2868, 40.6783



27.6415, 28.5001, 9.0461

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.



7.4930, 12.2868, 4.2124



13.7186, 12.2868, 40.6783



13.2121, 12.2868, 2.1355

Square

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



13.7186, 12.2868, 40.6783



19.1630, 12.2868, 8.5731



9.8509, 12.2868, 2.2412



6.4510, 12.2868, 19.7088

Rectangle

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



13.7186, 12.2868, 40.6783



18.8456, 12.2868, 22.1398



9.8509, 12.2868, 2.2412



6.6067, 12.2868, 7.3001

Sweetspot

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



13.7191, 12.2872, 40.6786



51.9734, 53.7775, 78.4466



21.7919, 32.5729, 30.6062



10.7797, 11.1110, 16.9642



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



13.7191, 12.2872, 40.6786



20.0236, 16.0038, 72.8394



13.3794, 8.8438, 40.0319



7.7549, 8.1092, 10.1092



6.3756, 3.8851, 29.4584



0.2240, 0.2013, 0.8350

Inverse Universe

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



20.9696, 13.3782, 12.3037



34.7460, 19.7343, 14.8839



28.0683, 36.2595, 10.5214



8.0941, 8.0509, 8.8063



13.0818, 6.6952, 2.8100



0.3875, 0.1957, 0.2021

Previews

White Background



This preview shows how the XYZ color 13.7186, 12.2868, 40.6783 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 × Fail

Black Background



This preview shows how the XYZ color 13.7186, 12.2868, 40.6783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

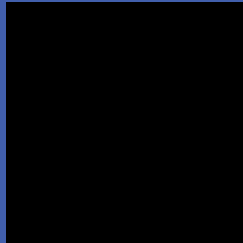
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7186, 12.2868, 40.6783

Background



This preview shows how black text looks on a background with the XYZ color 13.7186, 12.2868, 40.6783.



This preview shows how white text looks on a background with the XYZ color 13.7186, 12.2868,

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

13.7186, 12.2868, 40.6783

Protanopia

13.5885, 12.2197, 40.6722

Deuteranopia

12.6119, 12.2760, 40.2329



Tritanopia

9.2779, 12.3794, 18.4235

Trichromacy



Original Color

13.7186, 12.2868, 40.6783

Protanomaly

13.6530, 12.2530, 40.6752

Deuteranomaly

12.9373, 12.3040, 40.2211

Tritanomaly

10.4665, 12.0824, 25.0730

Monochromacy



Original Color

13.7186, 12.2868, 40.6783

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3235, 11.4993, 20.3617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7186, 12.2868, 40.6783 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(65, 95, 172)` looks like.

```
.text, #text, p{  
    color:rgb(65, 95, 172)  
}
```

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(65, 95, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 95, 172) }
```

Border

The CSS property to change the border of an element to XYZ 13.7186, 12.2868, 40.6783 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(65, 95, 172) }
```


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

```
.border{ border-color:rgb(65, 95, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 95, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 95, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 95, 172);  
box-shadow:4px 4px 4px 4px rgb(65, 95,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7186, 12.2868, 40.6783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 95, 172) }
```

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

```
.background{ background-color: rgb(65, 95,  
172) }
```

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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