

Converting Colors

XYZ(13.3202, 12.3499, 41.7244)

Have a look what the booklet for
XYZ(13.3202, 12.3499, 41.7244)
contains.

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Color

**XYZ(13.3308, 12.3354,
41.7228)**

Conversions

Conversions Part 1

Format	Color
Hex	3461AE
RGB	52, 97, 174
RGB Percent	20%, 38%, 68%
CMY	0.7961, 0.6196, 0.3176
CMYK	0.70, 0.44, 0.00, 0.32
HSL	218°, 54%, 44%
HSV	218°, 70%, 68%
XYZ	13.3308, 12.3354, 41.7228
YIQ	92.3230, -51.5370, 14.4070

Conversions

Conversions Part 2

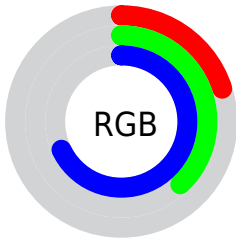
Format	Color
RYB	52, 85, 174
Decimal	3432878
CIELab	41.74, 10.88, -45.71
CIELCh	42, 46.986, 283.394
Yxy	12.3354, 0.1978, 0.1830
Android (android.graphics.Color)	4281622958 (0xFF3461AE)
YUV	92.3230, 40.2668, -35.3633
Hunter-Lab	35.1218, 6.2882, -45.8481

Details

The XYZ color **13.3308, 12.3354, 41.7228** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **25.9268, 24.9490, 6.6988**, and the grayscale version is **10.1662, 10.6957, 11.6476**.

A 20% lighter version of the original color is **31.5267, 30.0913, 79.0095**, and **4.6792, 3.8365, 18.5831** is the 20% darker color. If you saturate the color by 10%, you get **11.6491, 10.0650, 41.3735**, and if you desaturate by 10%, it is **15.4840, 15.0577, 42.1351**.

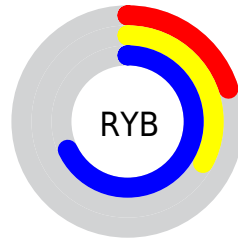
Distribution



Red (20%)

Green (38%)

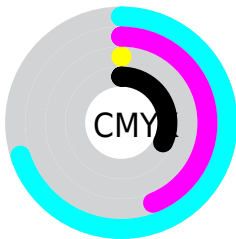
Blue (68%)



Red (20%)

Yellow (33%)

Blue (68%)

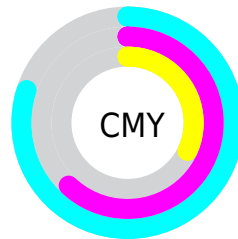


Cyan (70%)

Magenta (44%)

Yellow (0%)

Black (32%)



Cyan (80%)

Magenta (62%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3308, 12.3354, 41.7228 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 13.3308, 12.3354, 41.7228 by changing the saturation by 10% instead.

■ 13.3308, 12.3354,
41.7228

■ 13.3308, 12.3354,
41.7228

206.6220,
206.6133, 369.0983

■ 7.7353, 6.9725,
28.5604

■ 31.4931, 30.1045,
79.0455

■ 3.9764, 3.4449,
18.5058

■ 44.7906, 43.2795,
104.0428

■ 1.6888, 1.3682,
11.1405

■ 61.3861, 59.8274,
133.8221

■ 0.4492, 0.1931,
6.0461

■ 81.6451, 80.1325,
168.8020

■ 0.0000, 0.0000,
2.8039

■ 105.9328,
104.5793, 209.4011

■ 0.0000, 0.0000,
0.9954

134.6146,

■ 0.0000, 0.0000,

133.5520, 256.0378

0.0000

168.0559,
167.4352, 309.1306

■ 13.3308, 12.3354,
41.7228

■ 13.3308, 12.3354,
41.7228

■ 11.6491, 10.0650,
41.3735

■ 15.4840, 15.0577,
42.1351

■ 10.3934, 8.2141,
41.0824

■ 18.1453, 18.2585,
42.6126

■ 9.4833, 6.7426,
40.8463

■ 21.3488, 21.9630,
43.1588

■ 25.1252, 26.1943,
43.7765

■ 29.5029, 30.9740,
44.4683

■ 34.5080, 36.3221,
45.2368

■ 40.1653, 42.2578,
46.0843

■ 46.4980, 48.7991,
47.0132

■ 53.5282, 55.9635,
48.0255

Harmonies

Analogous

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



9.9274, 12.3354, 41.1383



13.3308, 12.3354, 41.7228



16.9033, 12.3354, 32.5295

Triad

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



13.3308, 12.3354, 41.7228



17.2414, 12.3354, 4.1448



6.4431, 12.3354, 8.6966

Complementary

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



13.3308, 12.3354, 41.7228



25.9268, 24.9490, 6.6988

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.



7.7288, 12.3354, 3.8101



13.3308, 12.3354, 41.7228



13.7262, 12.3354, 2.2072

Square

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



13.3308, 12.3354, 41.7228



19.4425, 12.3354, 9.4901



10.2526, 12.3354, 2.1254



6.3787, 12.3354, 18.3354

Rectangle

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



13.3308, 12.3354, 41.7228



18.7197, 12.3354, 23.8744



10.2526, 12.3354, 2.1254



6.7333, 12.3354, 6.5880

Sweetspot

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



13.3313, 12.3358, 41.7231



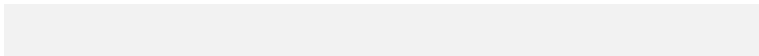
52.4522, 55.0344, 80.4950



20.3989, 32.5411, 25.3654



11.1654, 11.6970, 17.8136



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.



13.3313, 12.3358, 41.7231



19.8152, 16.3610, 74.7505



11.1313, 6.6792, 40.7472



7.8118, 8.2230, 10.1282



6.9309, 4.9956, 29.6435



0.2460, 0.2454, 0.8424

Inverse Universe

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



20.8417, 12.3184, 12.5886



34.9372, 18.6571, 15.5660



30.2070, 37.9700, 8.9865



8.1228, 8.0624, 8.9575



13.3620, 6.8074, 4.2859



0.3986, 0.2001, 0.2607

Previews

White Background



This preview shows how the XYZ color 13.3308, 12.3354, 41.7228 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 13.3308, 12.3354, 41.7228 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 13.3308, 12.3354, 41.7228

Background



This preview shows how black text looks on a background with the XYZ color 13.3308, 12.3354, 41.7228.



This preview shows how white text looks on a background with the XYZ color 13.3308, 12.3354,

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

13.3308, 12.3354, 41.7228

Protanopia

13.7756, 12.4396, 41.2102

Deuteranopia

12.6651, 12.4228, 41.2655



Tritanopia

8.7387, 12.2453, 19.0425

Trichromacy



Original Color

13.3308, 12.3354, 41.7228

Protanomaly

13.5293, 12.3127, 41.1987

Deuteranomaly

12.8414, 12.3721, 41.2464

Tritanomaly

9.9076, 12.0766, 25.8536

Monochromacy



Original Color

13.3308, 12.3354, 41.7228

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.5761, 10.9883, 19.9759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3308, 12.3354, 41.7228 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(52, 97, 174)` looks like.

```
.text, #text, p{  
    color:rgb(52, 97, 174)  
}
```

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(52, 97, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 97, 174) }
```

Border

The CSS property to change the border of an element to XYZ 13.3308, 12.3354, 41.7228 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(52, 97, 174) }
```


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

```
.border{ border-color:rgb(52, 97, 174) }
```

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

Here you see how a box with a 4 pixel rgb(52, 97, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 97, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 97, 174);  
box-shadow:4px 4px 4px 4px rgb(52, 97,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3308, 12.3354, 41.7228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 97, 174) }
```

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

```
.background{ background-color: rgb(52, 97,  
174) }
```

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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