

Converting Colors

XYZ(11.7307, 10.1049, 41.3766)

Have a look what the booklet for
XYZ(11.7307, 10.1049, 41.3766)
contains.

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Color

**XYZ(11.7307, 10.1049,
41.3766)**

Conversions

Conversions Part 1

Format	Color
Hex	2556AE
RGB	37, 86, 174
RGB Percent	15%, 34%, 68%
CMY	0.8549, 0.6627, 0.3176
CMYK	0.79, 0.51, 0.00, 0.32
HSL	219°, 65%, 41%
HSV	219°, 79%, 68%
XYZ	11.7307, 10.1049, 41.3766
YIQ	81.3810, -57.4520, 16.9800

Conversions

Conversions Part 2

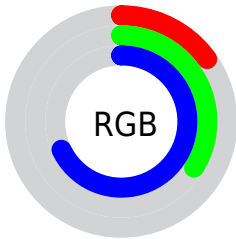
Format	Color
RYB	37, 73, 174
Decimal	2447022
CIELab	38.03, 16.05, -51.71
CIELCh	38, 54.144, 287.248
Yxy	10.1049, 0.1856, 0.1599
Android (android.graphics.Color)	4280637102 (0xFF2556AE)
YUV	81.3810, 45.6612, -38.9221
Hunter-Lab	31.7882, 10.2419, -54.9221

Details

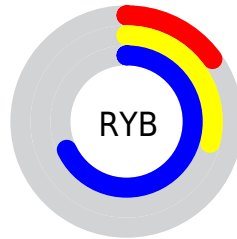
The XYZ color **11.7307, 10.1049, 41.3766** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **25.1246, 23.8021, 5.0211**, and the grayscale version is **7.8177, 8.2248, 8.9568**.

A 20% lighter version of the original color is **28.5404, 25.9247, 78.3626**, and **4.2792, 3.0364, 18.4497** is the 20% darker color. If you saturate the color by 10%, you get **10.4247, 8.2089, 41.0797**, and if you desaturate by 10%, it is **13.4746, 12.4340, 41.7345**.

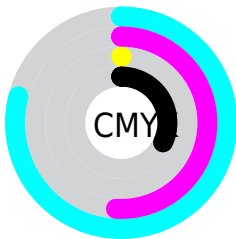
Distribution



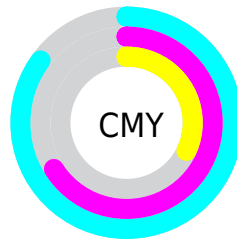
- Red (15%)
- Green (34%)
- Blue (68%)



- Red (15%)
- Yellow (29%)
- Blue (68%)



- Cyan (79%)
- Magenta (51%)
- Yellow (0%)
- Black (32%)



- Cyan (85%)
- Magenta (66%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7307, 10.1049, 41.3766 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 11.7307, 10.1049, 41.3766 by changing the saturation by 10% instead.

■ 11.7307, 10.1049,
41.3766

■ 11.7307, 10.1049,
41.3766

196.4208,
191.4191, 367.6153

■ 6.6315, 5.4686,
28.2916

■ 28.6248, 25.9926,
78.5151

■ 3.2770, 2.5247,
18.3046

■ 41.1504, 38.0128,
103.4057

■ 1.3019, 0.8890,
10.9972

■ 56.8821, 53.2630,
133.0685

■ 0.1846, 0.0000,
5.9508

■ 76.1854, 72.1278,
167.9221

■ 0.0000, 0.0000,
2.7469

■ 99.4255, 94.9913,
208.3851

■ 0.0000, 0.0000,
0.9669

■ 126.9679,

■ 0.0000, 0.0000,

122.2381, 254.8759

0.0000

159.1779,
154.2526, 307.8131

■ 11.7307, 10.1049,
41.3766

■ 11.7307, 10.1049,
41.3766

■ 10.4247, 8.2089,
41.0797

■ 13.4746, 12.4340,
41.7345

■ 9.4812, 6.6972,
40.8377

■ 15.6985, 15.2267,
42.1563

■ 9.3750, 6.5259,
40.8102

■ 18.4405, 18.5111,
42.6458

■ 21.7341, 22.3126,
43.2059

■ 25.6100, 26.6545,
43.8397

■ 30.0963, 31.5586,
44.5498

■ 35.2194, 37.0454,
45.3389

■ 41.0040, 43.1344,
46.2093

■ 47.4733, 49.8440,
47.1634

Harmonies

Analogous

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



8.2004, 10.1049, 42.3257



11.7307, 10.1049, 41.3766



15.4108, 10.1049, 29.8397

Triad

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



11.7307, 10.1049, 41.3766



14.9071, 10.1049, 2.0722



4.4404, 10.1049, 7.2879

Complementary

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



11.7307, 10.1049, 41.3766



25.1246, 23.8021, 5.0211

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.



5.4775, 10.1049, 2.4419



11.7307, 10.1049, 41.3766



11.1602, 10.1049, 0.8921

Square

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



11.7307, 10.1049, 41.3766



17.5275, 10.1049, 6.2381



7.7519, 10.1049, 0.9690



4.5222, 10.1049, 17.7276

Rectangle

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



11.7307, 10.1049, 41.3766



17.2010, 10.1049, 20.2149



7.7519, 10.1049, 0.9690



4.6567, 10.1049, 5.1258

Sweetspot

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



11.7312, 10.1052, 41.3769



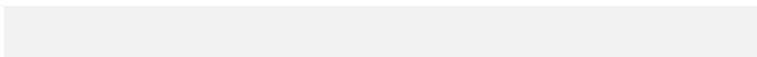
49.8185, 52.0507, 80.0579



19.5231, 32.1153, 24.1627



10.4613, 10.8967, 17.6962



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.



11.7312, 10.1052, 41.3769



17.6820, 12.9307, 74.2008



9.8926, 5.1998, 40.5269



7.8046, 8.2085, 10.1257



6.8514, 4.8367, 29.6170



0.2432, 0.2398, 0.8415

Inverse Universe

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



19.7973, 10.9944, 9.8829



33.6563, 17.3633, 11.2302



29.1293, 37.4475, 7.4439



8.1192, 8.0609, 8.9383



13.3219, 6.7913, 4.0747



0.3972, 0.1996, 0.2533

Previews

White Background



This preview shows how the XYZ color 11.7307, 10.1049, 41.3766 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 11.7307, 10.1049, 41.3766 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 11.7307, 10.1049, 41.3766

Background



This preview shows how black text looks on a background with the XYZ color 11.7307, 10.1049, 41.3766.



This preview shows how white text looks on a background with the XYZ color 11.7307, 10.1049,

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

11.7307, 10.1049, 41.3766

Protanopia

11.6609, 10.0689, 41.3733

Deuteranopia

9.9991, 9.9854, 34.2012



Tritanopia

7.0634, 9.9643, 15.1867

Trichromacy



Original Color

11.7307, 10.1049, 41.3766

Protanomaly

11.6953, 10.0866, 41.3749

Deuteranomaly

10.4392, 9.9107, 36.4847

Tritanomaly

8.2654, 9.7297, 22.9151

Monochromacy



Original Color

11.7307, 10.1049, 41.3766

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.3677, 8.5481, 17.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7307, 10.1049, 41.3766 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(37, 86, 174)` looks like.

```
.text, #text, p{  
    color:rgb(37, 86, 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(37, 86, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 86, 174) }
```

Border

The CSS property to change the border of an element to XYZ 11.7307, 10.1049, 41.3766 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(37, 86, 174) }
```


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

```
.border{ border-color:rgb(37, 86, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 86, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 86, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 86, 174);  
box-shadow:4px 4px 4px 4px rgb(37, 86,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7307, 10.1049, 41.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 86, 174) }
```

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

```
.background{ background-color: rgb(37, 86,  
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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