

Converting Colors

XYZ(12.6383, 11.9864, 41.8379)

Have a look what the booklet for
XYZ(12.6383, 11.9864, 41.8379)
contains.

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Color

**XYZ(12.6078, 11.9627,
41.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	2361AE
RGB	35, 97, 174
RGB Percent	14%, 38%, 68%
CMY	0.8627, 0.6196, 0.3176
CMYK	0.80, 0.44, 0.00, 0.32
HSL	213°, 66%, 41%
HSV	213°, 80%, 68%
XYZ	12.6078, 11.9627, 41.6889
YIQ	87.2400, -61.6690, 10.8030

Conversions

Conversions Part 2

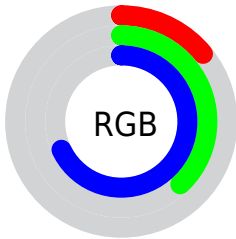
Format	Color
R_{YB}	35, 78, 174
Decimal	2318766
CIE _{Lab}	41.16, 8.63, -46.68
CIE _{LCh}	41, 47.473, 280.477
Yxy	11.9627, 0.1903, 0.1805
Android (android.graphics.Color)	4280508846 (0xFF2361AE)
YUV	87.2400, 42.7727, -45.8145
Hunter-Lab	34.5871, 4.5398, -47.2530

Details

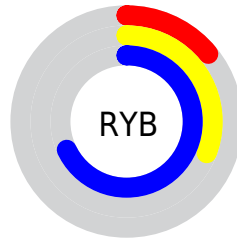
The XYZ color **12.6078, 11.9627, 41.6889** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.5546, 20.7110, 4.3472**, and the grayscale version is **9.0319, 9.5022, 10.3479**.

A 20% lighter version of the original color is **30.1961, 29.4054, 78.9472**, and **4.6792, 3.8365, 18.5831** is the 20% darker color. If you saturate the color by 10%, you get **11.3198, 10.0559, 41.3890**, and if you desaturate by 10%, it is **14.2978, 14.2376, 42.0392**.

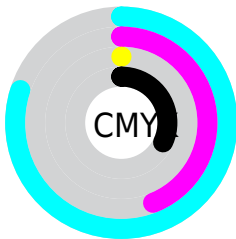
Distribution



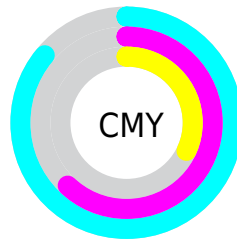
- Red (14%)
- Green (38%)
- Blue (68%)



- Red (14%)
- Yellow (31%)
- Blue (68%)



- Cyan (80%)
- Magenta (44%)
- Yellow (0%)
- Black (32%)



- Cyan (86%)
- Magenta (62%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6078, 11.9627, 41.6889 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 12.6078, 11.9627, 41.6889 by changing the saturation by 10% instead.

■ 12.6078, 11.9627,
41.6889

■ 12.6078, 11.9627,
41.6889

202.0774,
204.1582, 368.9532

■ 7.2342, 6.7183,
28.5340

■ 30.2047, 29.4272,
78.9936

■ 3.6566, 3.2865,
18.4861

■ 43.1587, 42.4160,
103.9804

■ 1.5098, 1.2831,
11.1265

■ 59.3702, 58.7551,
133.7484

■ 0.3325, 0.1281,
6.0367

■ 79.2045, 78.8288,
168.7160

■ 0.0000, 0.0000,
2.7983

■ 103.0270,
103.0216, 209.3017

■ 0.0000, 0.0000,
0.9926

■ 131.2031,

■ 0.0000, 0.0000,

131.7178, 255.9241

0.0000

164.0981,
165.3019, 309.0018

■ 12.6078, 11.9627,
41.6889

■ 12.6078, 11.9627,
41.6889

■ 11.3198, 10.0559,
41.3890

■ 14.2978, 14.2376,
42.0392

■ 10.3473, 8.4667,
41.1335

■ 16.4300, 16.9065,
42.4420

■ 10.3364, 8.4487,
41.1306

■ 19.0409, 19.9936,
42.9002

■ 22.1624, 23.5202,
43.4164

■ 25.8235, 27.5061,
43.9928

■ 30.0509, 31.9694,
44.6315

■ 34.8692, 36.9275,
45.3346

■ 40.3016, 42.3966,
46.1039

■ 46.3702, 48.3921,
46.9413

Harmonies

Analogous

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



9.3120, 11.9627, 40.0423



12.6078, 11.9627, 41.6889



16.1929, 11.9627, 33.2323

Triad

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



12.6078, 11.9627, 41.6889



17.1386, 11.9627, 4.2286



6.2322, 11.9627, 7.6930

Complementary

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



12.6078, 11.9627, 41.6889



23.5546, 20.7110, 4.3472

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.



7.6149, 11.9627, 3.3125



12.6078, 11.9627, 41.6889



13.7112, 11.9627, 2.1197

Square

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



12.6078, 11.9627, 41.6889



19.1356, 11.9627, 9.8934



10.2163, 11.9627, 1.8988



6.0542, 11.9627, 16.7570

Rectangle

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



12.6078, 11.9627, 41.6889



18.1023, 11.9627, 24.6777



10.2163, 11.9627, 1.8988



6.5561, 11.9627, 5.7770

Sweetspot

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



12.6083, 11.9631, 41.6892



50.8926, 54.1989, 80.4160



18.7241, 31.7876, 20.3195



10.7257, 11.4255, 17.7844



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.



12.6083, 11.9631, 41.6892



19.1516, 15.9613, 74.7083



9.1947, 4.7502, 40.4769



7.8619, 8.3232, 10.1449



7.5545, 6.2428, 29.8513



0.2653, 0.2839, 0.8488

Inverse Universe

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



20.2147, 11.0646, 12.3797



34.3758, 17.5656, 15.2824



31.3868, 38.6148, 7.3901



8.1481, 8.0725, 9.0908



13.6768, 6.9333, 5.9435



0.4083, 0.2040, 0.3118

Previews

White Background



This preview shows how the XYZ color 12.6078, 11.9627, 41.6889 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 12.6078, 11.9627, 41.6889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

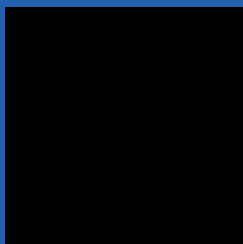
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6078, 11.9627, 41.6889

Background



This preview shows how black text looks on a background with the XYZ color 12.6078, 11.9627, 41.6889.



This preview shows how white text looks on a background with the XYZ color 12.6078, 11.9627,

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

12.6078, 11.9627, 41.6889

Protanopia

13.2779, 11.9378, 40.1325

Deuteranopia

12.2213, 11.9015, 41.6975



Tritanopia

8.3522, 11.7532, 18.0480

Trichromacy



Original Color

12.6078, 11.9627, 41.6889

Protanomaly

12.9548, 11.8930, 40.6425

Deuteranomaly

12.3610, 11.9735, 41.7040

Tritanomaly

9.4602, 11.5636, 25.0260

Monochromacy



Original Color

12.6078, 11.9627, 41.6889

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.4548, 10.0430, 18.8929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6078, 11.9627, 41.6889 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(35, 97, 174)` looks like.

```
.text, #text, p{  
    color:rgb(35, 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(35, 97, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 97, 174) }
```

Border

The CSS property to change the border of an element to XYZ 12.6078, 11.9627, 41.6889 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(35, 97, 174) }
```


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

```
.border{ border-color:rgb(35, 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(35, 97, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 97, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 97, 174); box-shadow:4px 4px 4px 4px rgb(35, 97, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6078, 11.9627, 41.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 97, 174) }
```

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

```
.background{ background-color: rgb(35, 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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