

Converting Colors

XYZ(12.6875, 12.9369, 41.5673)

Have a look what the booklet for
XYZ(12.6875, 12.9369, 41.5673)
contains.

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Color

**XYZ(12.6068, 12.8278,
41.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	1067AD
RGB	16, 103, 173
RGB Percent	6%, 40%, 68%
CMY	0.9372, 0.5961, 0.3216
CMYK	0.91, 0.40, 0.00, 0.32
HSL	207°, 83%, 37%
HSV	207°, 91%, 68%
XYZ	12.6068, 12.8278, 41.3467
YIQ	84.9670, -74.3220, 3.3260

Conversions

Conversions Part 2

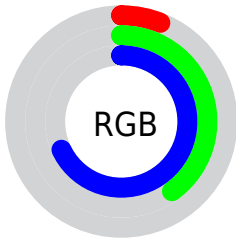
Format	Color
R_{YB}	16, 72, 173
Decimal	1075117
CIE _{Lab}	42.50, 2.82, -43.96
CIE _{LCh}	43, 44.054, 273.677
Yxy	12.8278, 0.1888, 0.1921
Android (android.graphics.Color)	4279265197 (0xFF1067AD)
YUV	84.9670, 43.4003, -60.4841
Hunter-Lab	35.8159, 0.1521, -43.3746

Details

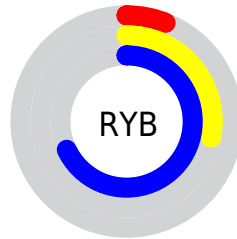
The XYZ color **12.6068, 12.8278, 41.3467** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.6573, 15.5815, 2.4100**, and the grayscale version is **8.5528, 8.9982, 9.7990**.

A 20% lighter version of the original color is **30.3146, 31.1480, 78.5432**, and **4.8533, 4.2823, 18.3401** is the 20% darker color. If you saturate the color by 10%, you get **11.7125, 11.3563, 41.1101**, and if you desaturate by 10%, it is **13.8340, 14.6528, 41.6346**.

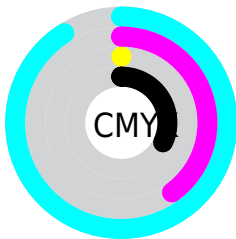
Distribution



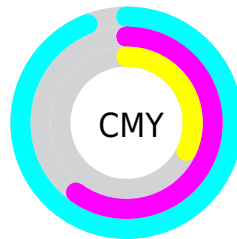
- Red (6%)
- Green (40%)
- Blue (68%)



- Red (6%)
- Yellow (28%)
- Blue (68%)



- Cyan (91%)
- Magenta (40%)
- Yellow (0%)
- Black (32%)



- Cyan (94%)
- Magenta (60%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6068, 12.8278, 41.3467 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 12.6068, 12.8278, 41.3467 by changing the saturation by 10% instead.

■ 12.6068, 12.8278,
41.3467

■ 12.6068, 12.8278,
41.3467

202.0710,
209.8111, 367.4870

■ 7.2335, 7.3101,
28.2683

■ 30.2029, 30.9941,
78.4693

■ 3.6562, 3.6568,
18.2872

■ 43.1564, 44.4114,
103.3506

■ 1.5095, 1.4835,
10.9848

■ 59.3674, 61.2307,
133.0034

■ 0.3323, 0.2771,
5.9426

■ 79.2011, 81.8365,
167.8460

■ 0.0000, 0.0000,
2.7420

■ 103.0230,
106.6130, 208.2972

■ 0.0000, 0.0000,
0.9644

■ 131.1983,

■ 0.0000, 0.0000,

135.9446, 254.7754

0.0000

164.0926,
170.2159, 307.6992

■ 12.6068, 12.8278,
41.3467

■ 12.6068, 12.8278,
41.3467

■ 11.7125, 11.3563,
41.1101

■ 13.8340, 14.6528,
41.6346

■ 15.4186, 16.7697,
41.9597

■ 17.4010, 19.2022,
42.3247

■ 19.8154, 21.9704,
42.7318

■ 22.6920, 25.0922,
43.1827

■ 26.0577, 28.5841,
43.6793

■ 29.9377, 32.4612,
44.2232

■ 34.3549, 36.7377,
44.8158

■ 39.3312, 41.4269,
45.4586

Harmonies

Analogous

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



9.5727, 12.8278, 37.6293



12.6068, 12.8278, 41.3467



16.0901, 12.8278, 35.4026

Triad

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



12.6068, 12.8278, 41.3467



18.3207, 12.8278, 6.0787



7.3150, 12.8278, 7.3223

Complementary

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



12.6068, 12.8278, 41.3467



20.6573, 15.5815, 2.4100

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.



8.9813, 12.8278, 3.6025



12.6068, 12.8278, 41.3467



15.2512, 12.8278, 3.1476

Square

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



12.6068, 12.8278, 41.3467



19.7457, 12.8278, 12.8263



11.7873, 12.8278, 2.5078



6.8627, 12.8278, 15.1740

Rectangle

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



12.6068, 12.8278, 41.3467



18.0995, 12.8278, 27.8539



11.7873, 12.8278, 2.5078



7.7347, 12.8278, 5.6896

Sweetspot

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



12.6073, 12.8282, 41.3470



48.8330, 53.3822, 78.5358



16.7599, 30.6386, 13.4279



10.1400, 11.1233, 17.0003



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.



12.6073, 12.8282, 41.3470



20.7583, 19.9025, 73.5532



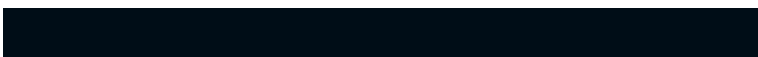
8.1374, 3.8883, 39.8571



7.9330, 8.4653, 10.1685



8.6622, 8.4582, 30.2206



0.2945, 0.3423, 0.8585

Inverse Universe

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



19.8676, 10.2349, 13.7606



34.5238, 17.3750, 20.7135



30.3423, 34.9515, 5.6384



8.1840, 8.0868, 9.2796



14.2359, 7.1569, 8.8877



0.4230, 0.2099, 0.3895

Previews

White Background



This preview shows how the XYZ color 12.6068, 12.8278, 41.3467 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 12.6068, 12.8278, 41.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

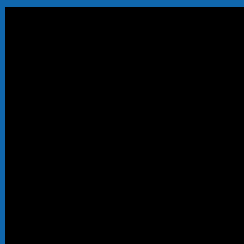
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6068, 12.8278, 41.3467

Background



This preview shows how black text looks on a background with the XYZ color 12.6068, 12.8278, 41.3467.



This preview shows how white text looks on a background with the XYZ color 12.6068, 12.8278,

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

12.6068, 12.8278, 41.3467

Protanopia

13.9614, 12.8646, 38.7931

Deuteranopia

13.1110, 12.7959, 41.3140



Tritanopia

9.0142, 12.7008, 19.4292

Trichromacy



Original Color

12.6068, 12.8278, 41.3467

Protanomaly

13.1283, 12.6947, 39.7886

Deuteranomaly

12.8899, 12.8269, 41.3316

Tritanomaly

10.0979, 12.6279, 26.3313

Monochromacy



Original Color

12.6068, 12.8278, 41.3467

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.9015, 9.8993, 18.2712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6068, 12.8278, 41.3467 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(16, 103, 173)` looks like.

```
.text, #text, p{  
    color:rgb(16, 103, 173)  
}
```

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(16, 103, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 103, 173) }
```

Border

The CSS property to change the border of an element to XYZ 12.6068, 12.8278, 41.3467 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(16, 103, 173) }
```


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

```
.border{ border-color:rgb(16, 103, 173) }
```

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

Here you see how a box with a 4 pixel rgb(16, 103, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 103, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 103, 173);  
box-shadow:4px 4px 4px 4px rgb(16, 103,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6068, 12.8278, 41.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 103, 173) }
```

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

```
.background{ background-color: rgb(16, 103,  
173) }
```

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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