

Converting Colors

XYZ(12.6156, 12.2932, 44.0911)

Have a look what the booklet for
XYZ(12.6156, 12.2932, 44.0911)
contains.

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Color

**XYZ(12.6939, 12.3690,
44.3662)**

Conversions

Conversions Part 1

Format	Color
Hex	0064B3
RGB	0, 100, 179
RGB Percent	0%, 39%, 70%
CMY	0.9998, 0.6078, 0.2980
CMYK	1.00, 0.44, 0.00, 0.30
HSL	206°, 100%, 35%
HSV	206°, 100%, 70%
XYZ	12.6939, 12.3690, 44.3662
YIQ	79.1060, -84.9590, 3.3690

Conversions

Conversions Part 2

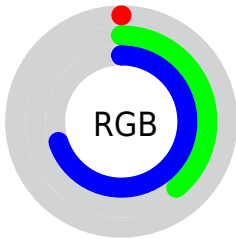
Format	Color
RYB	0, 64, 179
Decimal	25779
CIELab	41.80, 6.45, -48.62
CIELCh	42, 49.050, 277.561
Yxy	12.3690, 0.1828, 0.1782
Android (android.graphics.Color)	4278215859 (0xFF0064B3)
YUV	79.1060, 49.2477, -69.3760
Hunter-Lab	35.1696, 2.8799, -50.1752

Details

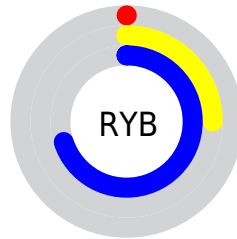
The XYZ color **12.6939, 12.3690, 44.3662** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **21.3897, 15.1817, 1.8042**, and the grayscale version is **7.3748, 7.7589, 8.4494**.

A 20% lighter version of the original color is **30.3154, 30.0862, 82.8067**, and **5.0851, 4.1447, 20.2707** is the 20% darker color. If you saturate the color by 10%, you get **12.6922, 12.3656, 44.3659**, and if you desaturate by 10%, it is **13.7373, 14.0872, 44.6431**.

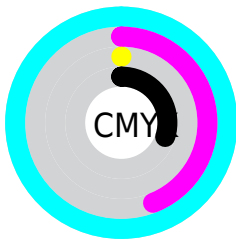
Distribution



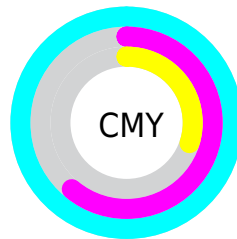
- Red (0%)
- Green (39%)
- Blue (70%)



- Red (0%)
- Yellow (25%)
- Blue (70%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (61%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6939, 12.3690, 44.3662 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 12.6939, 12.3690, 44.3662 by changing the saturation by 10% instead.

■ 12.6939, 12.3690,
44.3662

■ 12.6939, 12.3690,
44.3662

202.6240,
206.8331, 380.2856

■ 7.2936, 6.9955,
30.6192

■ 30.3588, 30.1654,
83.0768

■ 3.6944, 3.4593,
20.0530

■ 43.3541, 43.3571,
108.8776

■ 1.5307, 1.3760,
12.2491

■ 59.6118, 59.9237,
139.5333

■ 0.3466, 0.1989,
6.7890

■ 79.4973, 80.2495,
175.4625

■ 0.0000, 0.0000,
3.2540

■ 103.3759,
104.7189, 217.0838

■ 0.0000, 0.0000,
1.2258

■ 131.6130,

■ 0.0000, 0.0000,

133.7164, 264.8157

0.0000

164.5739,
167.6263, 319.0768

■ 12.6939, 12.3690,
44.3662

■ 12.6939, 12.3690,
44.3662

■ 12.6922, 12.3656,
44.3659

■ 13.7373, 14.0872,
44.6431

■ 15.0816, 16.0725,
44.9555

■ 16.8150, 18.3735,
45.3083

■ 18.9807, 21.0149,
45.7040

■ 21.6152, 24.0185,
46.1449

■ 24.7511, 27.4035,
46.6330

■ 28.4176, 31.1874,
47.1701

■ 32.6416, 35.3866,
47.7580

■ 37.4481, 40.0164,
48.3983

Harmonies

Analogous

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



9.3000, 12.3690, 41.4801



12.6939, 12.3690, 44.3662



16.5179, 12.3690, 36.1839

Triad

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



12.6939, 12.3690, 44.3662



18.1648, 12.3690, 4.6183



6.4352, 12.3690, 7.2136

Complementary

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



12.6939, 12.3690, 44.3662



21.3897, 15.1817, 1.8042

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.



8.0110, 12.3690, 3.0541



12.6939, 12.3690, 44.3662



14.6111, 12.3690, 2.1807

Square

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



12.6939, 12.3690, 44.3662



20.0710, 12.3690, 11.0169



10.8662, 12.3690, 1.8082



6.1288, 12.3690, 16.2575

Rectangle

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



12.6939, 12.3690, 44.3662



18.6446, 12.3690, 27.1999



10.8662, 12.3690, 1.8082



6.8157, 12.3690, 5.3688

Sweetspot

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



12.6944, 12.3694, 44.3665



50.5225, 55.4783, 84.4267



17.4812, 32.7849, 12.5377



10.5654, 11.6494, 18.6139



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



12.6944, 12.3694, 44.3665



22.5039, 21.6917, 79.3820



8.2684, 3.5172, 42.8912



8.4224, 8.9911, 10.7979



9.0346, 8.8695, 31.3728



0.3412, 0.3930, 1.0061

Inverse Universe

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



20.8912, 10.5048, 12.9832



37.2983, 18.7655, 22.6396



32.4223, 37.2469, 5.4817



8.6884, 8.5821, 9.8577



14.7949, 7.4355, 9.3458



0.4943, 0.2455, 0.4455

Previews

White Background



This preview shows how the XYZ color 12.6939, 12.3690, 44.3662 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 12.6939, 12.3690, 44.3662 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 12.6939, 12.3690, 44.3662

Background



This preview shows how black text looks on a background with the XYZ color 12.6939, 12.3690, 44.3662.



This preview shows how white text looks on a background with the XYZ color 12.6939, 12.3690,

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

12.6939, 12.3690, 44.3662

Protanopia

13.8452, 12.4530, 42.2314

Deuteranopia

12.5931, 12.3287, 43.8354



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

12.6939, 12.3690, 44.3662

Protanomaly

12.9479, 12.1153, 42.7304

Deuteranomaly

12.5931, 12.3287, 43.8354

Tritanomaly

9.8877, 12.2015, 26.6449

Monochromacy



Original Color

12.6939, 12.3690, 44.3662

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.8181, 8.7323, 17.4931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6939, 12.3690, 44.3662 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(0, 100, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 179)  
}
```

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(0, 100, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 179) }
```

Border

The CSS property to change the border of an element to XYZ 12.6939, 12.3690, 44.3662 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(0, 100, 179) }
```


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

```
.border{ border-color:rgb(0, 100, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6939, 12.3690, 44.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 179) }
```

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

```
.background{ background-color: rgb(0, 100,  
179) }
```

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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