

Converting Colors

XYZ(12.1884, 11.2875, 41.3961)

Have a look what the booklet for
XYZ(12.1884, 11.2875, 41.3961)
contains.

XYZ(12.2699, 11.3847, 41.5952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2699, 11.3847,
41.5952)**

Conversions

Conversions Part 1

Format	Color
Hex	215EAE
RGB	33, 94, 174
RGB Percent	13%, 37%, 68%
CMY	0.8705, 0.6314, 0.3176
CMYK	0.81, 0.46, 0.00, 0.32
HSL	214°, 68%, 41%
HSV	214°, 81%, 68%
XYZ	12.2699, 11.3847, 41.5952
YIQ	84.8810, -62.0360, 11.9480

Conversions

Conversions Part 2

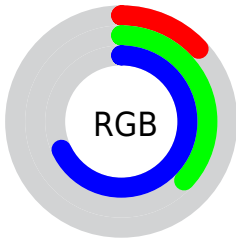
Format	Color
RYB	33, 76, 174
Decimal	2186926
CIELab	40.22, 10.37, -48.19
CIELCh	40, 49.289, 282.142
Yxy	11.3847, 0.1880, 0.1745
Android (android.graphics.Color)	4280377006 (0xFF215EAE)
YUV	84.8810, 43.9357, -45.4996
Hunter-Lab	33.7412, 5.8639, -49.4721

Details

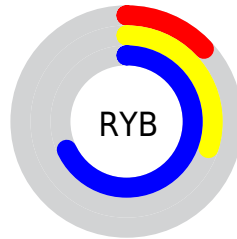
The XYZ color **12.2699, 11.3847, 41.5952** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.6371, 20.9220, 4.2324**, and the grayscale version is **8.5311, 8.9754, 9.7742**.

A 20% lighter version of the original color is **29.6230, 28.4264, 78.7885**, and **4.5495, 3.5771, 18.5398** is the 20% darker color. If you saturate the color by 10%, you get **11.0274, 9.5232, 41.3016**, and if you desaturate by 10%, it is **13.9135, 13.6199, 41.9403**.

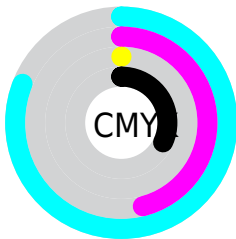
Distribution



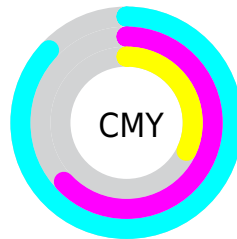
- Red (13%)
- Green (37%)
- Blue (68%)



- Red (13%)
- Yellow (30%)
- Blue (68%)



- Cyan (81%)
- Magenta (46%)
- Yellow (0%)
- Black (32%)



- Cyan (87%)
- Magenta (63%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2699, 11.3847, 41.5952 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 12.2699, 11.3847, 41.5952 by changing the saturation by 10% instead.

■ 12.2699, 11.3847,
41.5952

■ 12.2699, 11.3847,
41.5952

■ 199.9176,
200.2881, 368.5522

■ 7.0013, 6.3262,
28.4613

■ 29.5983, 28.3694,
78.8501

■ 3.5092, 3.0444,
18.4316

■ 42.3889, 41.0644,
103.8081

■ 1.4284, 1.1550,
11.0876

■ 58.4174, 57.0736,
133.5445

■ 0.2763, 0.0245,
6.0109

■ 78.0493, 76.7816,
168.4779

■ 0.0000, 0.0000,
2.7828

■ 101.6499,
100.5726, 209.0269

■ 0.0000, 0.0000,
0.9848

■ 129.5846,

■ 0.0000, 0.0000,

128.8311, 255.6099

0.0000

162.2187,
161.9415, 308.6454

■ 12.2699, 11.3847,
41.5952

■ 12.2699, 11.3847,
41.5952

■ 11.0274, 9.5232,
41.3016

■ 13.9135, 13.6199,
41.9403

■ 10.1743, 8.1245,
41.0766

■ 15.9998, 16.2559,
42.3391

■ 18.5659, 19.3176,
42.7948

■ 21.6446, 22.8273,
43.3100

■ 25.2653, 26.8053,
43.8870

■ 29.4552, 31.2706,
44.5281

■ 34.2393, 36.2409,
45.2353

■ 39.6414, 41.7330,
46.0107

■ 45.6837, 47.7629,
46.8561

Harmonies

Analogous

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



8.9197, 11.3847, 40.5110



12.2699, 11.3847, 41.5952



15.8832, 11.3847, 32.3679

Triad

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



12.2699, 11.3847, 41.5952



16.4920, 11.3847, 3.5447



5.6744, 11.3847, 7.4545

Complementary

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



12.2699, 11.3847, 41.5952



23.6371, 20.9220, 4.2324

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.



6.9677, 11.3847, 2.9969



12.2699, 11.3847, 41.5952



12.9745, 11.3847, 1.7032

Square

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



12.2699, 11.3847, 41.5952



18.6444, 11.3847, 8.8288



9.4906, 11.3847, 1.5765



5.5643, 11.3847, 16.8141

Rectangle

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



12.2699, 11.3847, 41.5952



17.7710, 11.3847, 23.4977



9.4906, 11.3847, 1.5765



5.9701, 11.3847, 5.4932

Sweetspot

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



12.2704, 11.3850, 41.5955



50.7271, 53.8679, 80.3608



18.7392, 31.7860, 20.7428



10.6849, 11.3439, 17.7708



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.



12.2704, 11.3850, 41.5955



18.6983, 15.0968, 74.5653



9.1561, 4.6455, 40.4588



7.8532, 8.3057, 10.1420



7.4362, 6.0063, 29.8119



0.2619, 0.2772, 0.8477

Inverse Universe

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



20.0203, 10.8954, 11.6376



34.1367, 17.4306, 14.1447



30.8451, 38.3389, 7.2143



8.1437, 8.0707, 9.0675



13.6171, 6.9094, 5.6291



0.4066, 0.2033, 0.3029

Previews

White Background



This preview shows how the XYZ color 12.2699, 11.3847, 41.5952 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 12.2699, 11.3847, 41.5952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

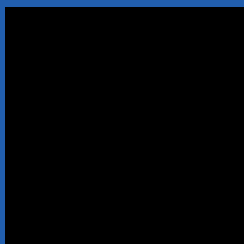
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2699, 11.3847, 41.5952

Background



This preview shows how black text looks on a background with the XYZ color 12.2699, 11.3847, 41.5952.



This preview shows how white text looks on a background with the XYZ color 12.2699, 11.3847,

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

12.2699, 11.3847, 41.5952

Protanopia

12.8491, 11.4451, 40.5616

Deuteranopia

11.4386, 11.2680, 39.6023



Tritanopia

7.9762, 11.2730, 17.0848

Trichromacy



Original Color

12.2699, 11.3847, 41.5952

Protanomaly

12.6295, 11.4502, 41.0796

Deuteranomaly

11.5945, 11.2029, 40.0793

Tritanomaly

9.1785, 11.1348, 24.5871

Monochromacy



Original Color

12.2699, 11.3847, 41.5952

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.9474, 9.4221, 18.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2699, 11.3847, 41.5952 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(33, 94, 174)` looks like.

```
.text, #text, p{  
    color:rgb(33, 94, 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(33, 94, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 94, 174) }
```

Border

The CSS property to change the border of an element to XYZ 12.2699, 11.3847, 41.5952 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(33, 94, 174) }
```


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

```
.border{ border-color:rgb(33, 94, 174) }
```

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

Here you see how a box with a 4 pixel rgb(33, 94, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 94, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 94, 174);  
box-shadow:4px 4px 4px 4px rgb(33, 94,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2699, 11.3847, 41.5952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 94, 174) }
```

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

```
.background{ background-color: rgb(33, 94,  
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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