

Converting Colors

XYZ(14.3893, 12.7519, 42.7259)

Have a look what the booklet for
XYZ(14.3893, 12.7519, 42.7259)
contains.

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Color

**XYZ(14.4032, 12.7293,
42.7722)**

Conversions

Conversions Part 1

Format	Color
Hex	4460B0
RGB	68, 96, 176
RGB Percent	27%, 38%, 69%
CMY	0.7333, 0.6235, 0.3098
CMYK	0.61, 0.45, 0.00, 0.31
HSL	224°, 44%, 48%
HSV	224°, 61%, 69%
XYZ	14.4032, 12.7293, 42.7722
YIQ	96.7480, -42.3680, 18.9440

Conversions

Conversions Part 2

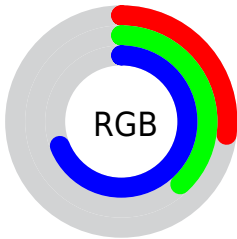
Format	Color
R _Y B	68, 90, 176
Decimal	4481200
CIE Lab	42.35, 15.05, -45.87
CIE LCh	42, 48.273, 288.166
Yxy	12.7293, 0.2060, 0.1821
Android (android.graphics.Color)	4282671280 (0xFF4460B0)
YUV	96.7480, 39.0712, -25.2120
Hunter-Lab	35.6781, 9.6234, -46.1042

Details

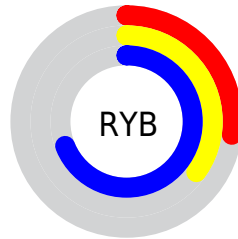
The XYZ color **14.4032, 12.7293, 42.7722** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **29.5387, 30.8286, 9.8632**, and the grayscale version is **11.2159, 11.8000, 12.8502**.

A 20% lighter version of the original color is **33.3018, 30.7439, 80.5229**, and **4.7590, 3.7977, 19.2211** is the 20% darker color. If you saturate the color by 10%, you get **12.2625, 10.0040, 42.3593**, and if you desaturate by 10%, it is **17.1108, 16.0399, 43.2688**.

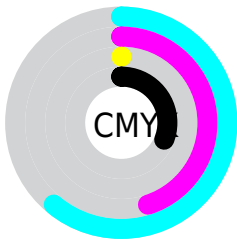
Distribution



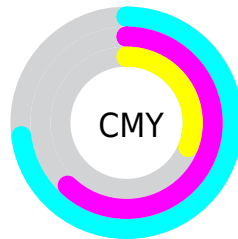
- Red (27%)
- Green (38%)
- Blue (69%)



- Red (27%)
- Yellow (35%)
- Blue (69%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (62%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4032, 12.7293, 42.7722 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 14.4032, 12.7293, 42.7722 by changing the saturation by 10% instead.

■ 14.4032, 12.7293,
42.7722

■ 14.4032, 12.7293,
42.7722

213.1857,
209.1754, 373.5678

■ 8.4852, 7.2424,
29.3763

■ 33.3831, 30.8166,
80.6497

■ 4.4614, 3.6142,
19.1177

■ 47.1757, 44.1858,
105.9683

■ 1.9663, 1.4602,
11.5777

■ 64.3238, 60.9512,
136.0984

■ 0.6149, 0.2604,
6.3378

■ 85.1929, 81.4972,
171.4583

■ 0.0000, 0.0000,
2.9794

■ 110.1483,
106.2083, 212.4667

■ 0.0000, 0.0000,
1.0841

139.5553,

■ 0.0000, 0.0000,

135.4687, 259.5420

0.0000

173.7793,
169.6630, 313.1028

■ 14.4032, 12.7293,
42.7722

■ 14.4032, 12.7293,
42.7722

■ 12.2625, 10.0040,
42.3593

■ 17.1108, 16.0399,
43.2688

■ 10.6431, 7.8259,
42.0242

■ 20.4225, 19.9681,
43.8525

■ 9.4945, 6.1532,
41.7619

■ 24.3742, 24.5451,
44.5276

■ 8.7990, 5.0595,
41.5874

■ 28.9985, 29.7997,
45.2981

■ 34.3256, 35.7587,
46.1676

■ 40.3839, 42.4475,
47.1393

■ 47.2002, 49.8901,
48.2166

■ 54.7999, 58.1095,
49.4026

■ 63.2072, 67.1278,
50.7002

Harmonies

Analogous

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



10.7256, 12.7293, 43.9925



14.4032, 12.7293, 42.7722



18.0668, 12.7293, 31.8797

Triad

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



14.4032, 12.7293, 42.7722



17.3653, 12.7293, 3.6761



6.4812, 12.7293, 10.1579

Complementary

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



14.4032, 12.7293, 42.7722



29.5387, 30.8286, 9.8632

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.



7.6153, 12.7293, 4.3575



14.4032, 12.7293, 42.7722



13.5845, 12.7293, 2.0679

Square

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



14.4032, 12.7293, 42.7722



19.9983, 12.7293, 8.5241



10.0543, 12.7293, 2.2325



6.6134, 12.7293, 21.0569

Rectangle

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



14.4032, 12.7293, 42.7722



19.7858, 12.7293, 22.6832



10.0543, 12.7293, 2.2325



6.7159, 12.7293, 7.6852

Sweetspot

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



14.4037, 12.7297, 42.7725



55.3989, 57.2011, 82.6164



23.1920, 34.3929, 33.1030



11.4360, 11.7558, 17.8107



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.



14.4037, 12.7297, 42.7725



20.9762, 16.4752, 76.5698



14.4388, 9.6072, 42.1680



8.2152, 8.5765, 10.7288



6.4973, 3.7949, 30.5270



0.2527, 0.2159, 0.9766

Inverse Universe

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



22.0834, 14.2095, 12.6454



36.5548, 20.9310, 15.1295



29.2947, 38.0287, 11.2658



8.5838, 8.5402, 9.3067



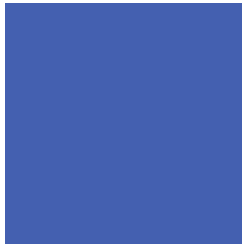
13.5142, 6.9232, 2.6017



0.4496, 0.2276, 0.2101

Previews

White Background



This preview shows how the XYZ color 14.4032, 12.7293, 42.7722 looks on a white background.

Color Contrast Check

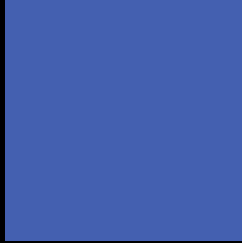
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4032, 12.7293, 42.7722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

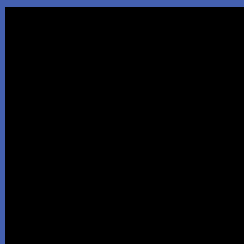
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4032, 12.7293, 42.7722

Background



This preview shows how black text looks on a background with the XYZ color 14.4032, 12.7293, 42.7722.



This preview shows how white text looks on a background with the XYZ color 14.4032, 12.7293,

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

14.4032, 12.7293, 42.7722

Protanopia

14.1971, 12.7478, 43.3073

Deuteranopia

13.1191, 12.7776, 42.3323



Tritanopia

9.6137, 12.6964, 19.0835

Trichromacy



Original Color

14.4032, 12.7293, 42.7722

Protanomaly

14.3249, 12.8137, 43.3133

Deuteranomaly

13.4186, 12.6472, 42.2914

Tritanomaly

10.9259, 12.4428, 26.2519

Monochromacy



Original Color

14.4032, 12.7293, 42.7722

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8783, 12.0342, 21.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4032, 12.7293, 42.7722 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(68, 96, 176)` looks like.

```
.text, #text, p{  
    color:rgb(68, 96, 176)  
}
```

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(68, 96, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 96, 176) }
```

Border

The CSS property to change the border of an element to XYZ 14.4032, 12.7293, 42.7722 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(68, 96, 176) }
```


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

```
.border{ border-color:rgb(68, 96, 176) }
```

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

Here you see how a box with a 4 pixel rgb(68, 96, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 96, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 96, 176);  
box-shadow:4px 4px 4px 4px rgb(68, 96,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4032, 12.7293, 42.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 96, 176) }
```

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

```
.background{ background-color: rgb(68, 96,  
176) }
```

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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