

Converting Colors

XYZ(17.3275, 12.3749, 56.4816)

Have a look what the booklet for
XYZ(17.3275, 12.3749, 56.4816)
contains.

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Color

**XYZ(17.3691, 12.4425,
56.7445)**

Conversions

Conversions Part 1

Format	Color
Hex	5454C9
RGB	84, 84, 201
RGB Percent	33%, 33%, 79%
CMY	0.6706, 0.6706, 0.2118
CMYK	0.58, 0.58, 0.00, 0.21
HSL	240°, 52%, 56%
HSV	240°, 58%, 79%
XYZ	17.3691, 12.4425, 56.7445
YIQ	97.3380, -37.5570, 36.3870

Conversions

Conversions Part 2

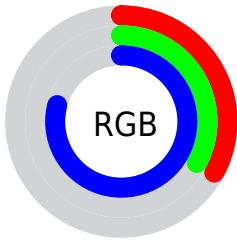
Format	Color
R_{YB}	84, 84, 201
Decimal	5526729
CIE _{Lab}	41.91, 34.12, -61.10
CIE _{LCh}	42, 69.983, 299.181
Yxy	12.4425, 0.2007, 0.1438
Android (android.graphics.Color)	4283716809 (0xFF5454C9)
YUV	97.3380, 51.1054, -11.6974
Hunter-Lab	35.2739, 26.1651, -70.6870

Details

The XYZ color **17.3691, 12.4425, 56.7445** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **46.5729, 54.8303, 16.5162**, and the grayscale version is **11.3307, 11.9208, 12.9818**.

A 20% lighter version of the original color is **37.9028, 30.1098, 98.4218**, and **5.9138, 3.5264, 27.5631** is the 20% darker color. If you saturate the color by 10%, you get **14.4788, 8.9595, 56.2248**, and if you desaturate by 10%, it is **21.2242, 17.0873, 57.4381**.

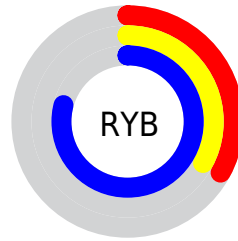
Distribution



Red (33%)

Green (33%)

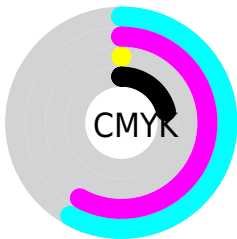
Blue (79%)



Red (33%)

Yellow (33%)

Blue (79%)

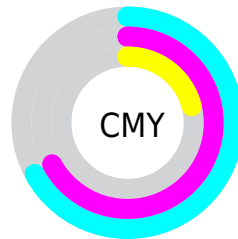


Cyan (58%)

Magenta (58%)

Yellow (0%)

Black (21%)



Cyan (67%)

Magenta (67%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3691, 12.4425, 56.7445 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 17.3691, 12.4425, 56.7445 by changing the saturation by 10% instead.

■ 17.3691, 12.4425,
56.7445

■ 17.3691, 12.4425,
56.7445

230.4055,
207.3131, 429.9581

■ 10.5949, 7.0458,
40.3922

■ 38.4979, 30.2985,
101.5889

■ 5.8604, 3.4908,
27.5283

■ 53.5832, 43.5266,
130.9181

■ 2.8003, 1.3930,
17.7345

■ 72.1696, 60.1339,
165.4099

■ 1.0490, 0.2116,
10.5921

■ 94.6225, 80.5049,
205.4829

■ 0.0000, 0.0000,
5.6825

■ 121.3071,
105.0239, 251.5557

■ 0.0000, 0.0000,
2.5874

152.5890,

■ 0.0000, 0.0000,

134.0754, 304.0468

0.8859

188.8333,
168.0436, 363.3748

■ 0.0000, 0.0000,
0.0000

■ 17.3691, 12.4425,
56.7445

■ 17.3691, 12.4425,
56.7445

■ 14.4788, 8.9595,
56.2248

■ 21.2242, 17.0873,
57.4381

■ 12.4664, 6.5348,
55.8629

■ 26.1172, 22.9830,
58.3182

■ 11.2330, 5.0487,
55.6411

■ 32.1161, 30.2113,
59.3973

■ 10.6269, 4.3185,
55.5321

■ 39.2829, 38.8469,
60.6864

■ 10.5428, 4.2171,
55.5169

■ 47.6748, 48.9587,
62.1959

■ 57.3453, 60.6112,
63.9353

■ 68.3447, 73.8650,
65.9138

■ 80.7207, 88.7775,
68.1400

■ 87.5427, 96.9971,
69.3669

Harmonies

Analogous

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



11.6845, 12.4425, 66.6582



17.3691, 12.4425, 56.7445



22.5903, 12.4425, 34.0110

Triad

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



17.3691, 12.4425, 56.7445



17.6894, 12.4425, 0.8501



4.4080, 12.4425, 13.1444

Complementary

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



17.3691, 12.4425, 56.7445



46.5729, 54.8303, 16.5162

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.



5.1756, 12.4425, 3.5665



17.3691, 12.4425, 56.7445



11.9690, 12.4425, 0.1597

Square

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



17.3691, 12.4425, 56.7445



22.8100, 12.4425, 3.8643



7.6092, 12.4425, 0.7802



5.0941, 12.4425, 32.7242

Rectangle

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



17.3691, 12.4425, 56.7445



24.5337, 12.4425, 19.6296



7.6092, 12.4425, 0.7802



4.4997, 12.4425, 8.8730

Sweetspot

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



17.3697, 12.4429, 56.7448



68.5573, 68.0776, 104.1347



35.0856, 47.8754, 62.6503



14.0944, 13.8730, 22.1848



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.3697, 12.4429, 56.7448



23.6901, 14.0155, 96.0644



24.9544, 16.3529, 57.0998



10.0568, 10.2875, 13.3731



6.6289, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Inverse Universe

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



37.7998, 22.9750, 57.6974



61.9076, 33.7175, 97.8454



33.7284, 48.2087, 15.9151



11.0831, 10.8166, 13.4210



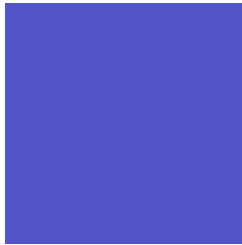
21.7733, 10.4589, 35.6117



1.0310, 0.4952, 1.6863

Previews

White Background



This preview shows how the XYZ color 17.3691, 12.4425, 56.7445 looks on a white background.

Color Contrast Check

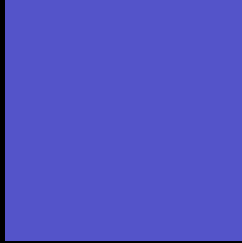
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3691, 12.4425, 56.7445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

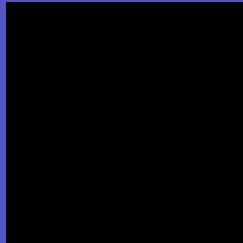
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3691, 12.4425, 56.7445

Background



This preview shows how black text looks on a background with the XYZ color 17.3691, 12.4425, 56.7445.



This preview shows how white text looks on a background with the XYZ color 17.3691, 12.4425,

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

17.3691, 12.4425, 56.7445

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.3915, 12.4025, 42.2983



Tritanopia

9.6290, 12.4047, 18.4098

Trichromacy



Original Color

17.3691, 12.4425, 56.7445

Protanomaly

14.9668, 12.0377, 57.4118

Deuteranomaly

13.3090, 11.9364, 46.9499

Tritanomaly

11.6528, 12.0224, 29.3101

Monochromacy



Original Color

17.3691, 12.4425, 56.7445

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.6140, 11.6789, 24.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3691, 12.4425, 56.7445 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(84, 84, 201)` looks like.

```
.text, #text, p{  
    color:rgb(84, 84, 201)  
}
```

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(84, 84, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 84, 201) }
```

Border

The CSS property to change the border of an element to XYZ 17.3691, 12.4425, 56.7445 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(84, 84, 201) }
```


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

```
.border{ border-color:rgb(84, 84, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 84, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 84, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 84, 201);  
box-shadow:4px 4px 4px 4px rgb(84, 84,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3691, 12.4425, 56.7445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 84, 201) }
```

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

```
.background{ background-color: rgb(84, 84,  
201) }
```

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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