

Converting Colors

XYZ(17.2214, 12.7004, 64.2330)

Have a look what the booklet for
XYZ(17.2214, 12.7004, 64.2330)
contains.

XYZ(17.2449, 12.6831, 64.4900)	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(17.2449, 12.6831,
64.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	3A58D5
RGB	58, 88, 213
RGB Percent	23%, 35%, 84%
CMY	0.7725, 0.6549, 0.1647
CMYK	0.73, 0.59, 0.00, 0.16
HSL	228°, 65%, 53%
HSV	228°, 73%, 84%
XYZ	17.2449, 12.6831, 64.4900
YIQ	93.2800, -58.0050, 32.5150

Conversions

Conversions Part 2

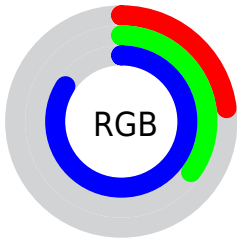
Format	Color
R_{YB}	58, 83, 213
Decimal	3823829
CIE _{Lab}	42.28, 31.84, -67.47
CIE _{LCh}	42, 74.612, 295.265
Yxy	12.6831, 0.1826, 0.1343
Android (android.graphics.Color)	4282013909 (0xFF3A58D5)
YUV	93.2800, 59.0220, -30.9406
Hunter-Lab	35.6133, 24.1110, -82.4353

Details

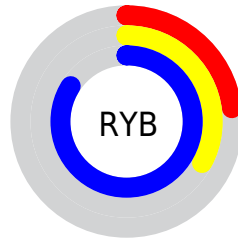
The XYZ color **17.2449, 12.6831, 64.4900** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **45.1406, 48.3235, 10.9526**, and the grayscale version is **10.3468, 10.8857, 11.8545**.

A 20% lighter version of the original color is **35.5959, 29.7569, 98.4753**, and **6.9497, 4.1621, 32.3354** is the 20% darker color. If you saturate the color by 10%, you get **15.0048, 9.6759, 64.0279**, and if you desaturate by 10%, it is **20.3305, 16.6193, 65.0875**.

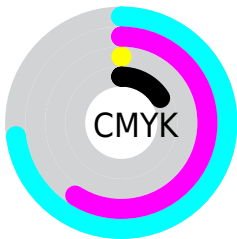
Distribution



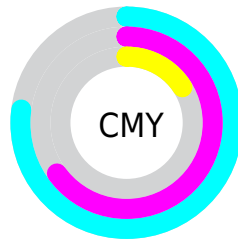
- Red (23%)
- Green (35%)
- Blue (84%)



- Red (23%)
- Yellow (33%)
- Blue (84%)



- Cyan (73%)
- Magenta (59%)
- Yellow (0%)
- Black (16%)



- Cyan (77%)
- Magenta (65%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2449, 12.6831, 64.4900 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 17.2449, 12.6831, 64.4900 by changing the saturation by 10% instead.

■ 17.2449, 12.6831,
64.4900

■ 17.2449, 12.6831,
64.4900

229.7086,
208.8766, 459.2129

■ 10.5056, 7.2107,
46.5989

■ 38.2866, 30.7333,
112.9226

■ 5.8003, 3.5942,
32.3666

■ 53.3198, 44.0798,
144.3011

■ 2.7635, 1.4493,
21.3746

■ 71.8483, 60.8199,
181.0127

■ 1.0300, 0.2526,
13.2042

■ 94.2375, 81.3379,
223.4756

■ 0.0000, 0.0000,
7.4369

■ 120.8528,
106.0181, 272.1086

■ 0.0000, 0.0000,
3.6542

152.0595,

■ 0.0000, 0.0000,

135.2451, 327.3301

1.4376

188.2230,
169.4031, 389.5587

■ 0.0000, 0.0000,
0.1708

■ 0.0000, 0.0000,
0.0000

■ 17.2449, 12.6831,
64.4900

■ 17.2449, 12.6831,
64.4900

■ 15.0048, 9.6759,
64.0279

■ 20.3305, 16.6193,
65.0875

■ 13.5167, 7.5143,
63.6892

■ 24.3371, 21.5554,
65.8291

■ 12.8107, 6.4048,
63.5122

■ 29.3341, 27.5560,
66.7239

■ 35.3833, 34.6801,
67.7802

■ 42.5413, 42.9820,
69.0053

■ 50.8606, 52.5126,
70.4065

■ 60.3905, 63.3196,
71.9901

■ 71.1772, 75.4483,
73.7627

■ 83.2646, 88.9416,
75.7301

Harmonies

Analogous

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



11.1898, 12.6831, 72.7469



17.2449, 12.6831, 64.4900



23.2116, 12.6831, 39.7982

Triad

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



17.2449, 12.6831, 64.4900



19.2691, 12.6831, 0.8099



4.2063, 12.6831, 11.4229

Complementary

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



17.2449, 12.6831, 64.4900



45.1406, 48.3235, 10.9526

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.



5.2071, 12.6831, 2.6519



17.2449, 12.6831, 64.4900



12.9635, 12.6831, 0.0000

Square

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



17.2449, 12.6831, 64.4900



24.6111, 12.6831, 4.4018



8.0271, 12.6831, 0.3793



4.7167, 12.6831, 31.5391

Rectangle

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



17.2449, 12.6831, 64.4900



25.7121, 12.6831, 23.2047



8.0271, 12.6831, 0.3793



4.3652, 12.6831, 7.3701

Sweetspot

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



17.2456, 12.6834, 64.4904



64.5628, 65.3207, 103.8131



33.9837, 51.8661, 52.4774



13.1463, 13.2052, 22.1059



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.



17.2456, 12.6834, 64.4904



21.2717, 12.7252, 95.9428



19.2919, 10.8048, 64.0199



11.9352, 12.3938, 15.7007



7.8819, 4.0255, 38.8147



0.5335, 0.3591, 2.3605

Inverse Universe

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



30.7158, 17.8780, 11.0644



43.0952, 22.8789, 8.9961



40.3901, 56.0559, 12.6955



12.5205, 12.4597, 13.4151



17.0373, 8.7512, 2.2343



1.0570, 0.5396, 0.2893

Previews

White Background



This preview shows how the XYZ color 17.2449, 12.6831, 64.4900 looks on a white background.

Color Contrast Check

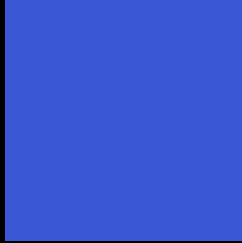
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2449, 12.6831, 64.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

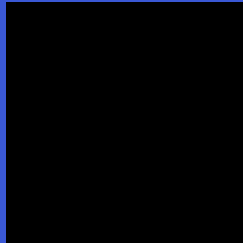
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2449, 12.6831, 64.4900

Background



This preview shows how black text looks on a background with the XYZ color 17.2449, 12.6831, 64.4900.



This preview shows how white text looks on a background with the XYZ color 17.2449, 12.6831,

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

17.2449, 12.6831, 64.4900

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.4892, 12.5979, 42.3308



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

17.2449, 12.6831, 64.4900

Protanomaly

15.4861, 12.4931, 60.6267

Deuteranomaly

13.7693, 12.3829, 49.8085

Tritanomaly

10.8104, 11.9621, 31.8761

Monochromacy



Original Color

17.2449, 12.6831, 64.4900

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.5647, 10.9938, 25.1794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2449, 12.6831, 64.4900 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(58, 88, 213)` looks like.

```
.text, #text, p{  
    color:rgb(58, 88, 213)  
}
```

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(58, 88, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 88, 213) }
```

Border

The CSS property to change the border of an element to XYZ 17.2449, 12.6831, 64.4900 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(58, 88, 213) }
```


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

```
.border{ border-color:rgb(58, 88, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 88, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 88, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 88, 213);  
box-shadow:4px 4px 4px 4px rgb(58, 88,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2449, 12.6831, 64.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 88, 213) }
```

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

```
.background{ background-color: rgb(58, 88,  
213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor