

Converting Colors

XYZ(7.2492, 15.1843, 49.2514)

Have a look what the booklet for
XYZ(7.2492, 15.1843, 49.2514)
contains.

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Color

**XYZ(17.2505, 20.3202,
49.4674)**

Conversions

Conversions Part 1

Format	Color
Hex	0085BA
RGB	0, 133, 186
RGB Percent	0%, 52%, 73%
CMY	0.9998, 0.4784, 0.2706
CMYK	1.00, 0.28, 0.00, 0.27
HSL	197°, 100%, 36%
HSV	197°, 100%, 73%
XYZ	17.2505, 20.3202, 49.4674
YIQ	99.2750, -96.2810, -11.7130

Conversions

Conversions Part 2

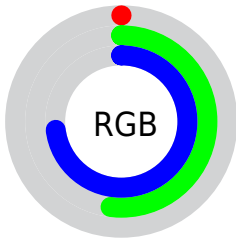
Format	Color
RYB	0, 78, 186
Decimal	34234
CIELab	52.20, -10.86, -36.17
CIELCh	52, 37.765, 253.281
Yxy	20.3202, 0.1982, 0.2335
Android (android.graphics.Color)	4278224314 (0xFF0085BA)
YUV	99.2750, 42.7554, -87.0642
Hunter-Lab	45.0779, -10.5777, -33.5088

Details

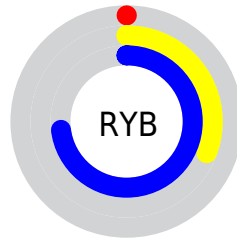
The XYZ color **17.2505, 20.3202, 49.4674** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.5252, 12.9894, 1.3739**, and the grayscale version is **11.8454, 12.4623, 13.5714**.

A 20% lighter version of the original color is **38.2020, 43.9083, 90.4661**, and **7.4040, 8.0341, 23.3508** is the 20% darker color. If you saturate the color by 10%, you get **17.2490, 20.3172, 49.4673**, and if you desaturate by 10%, it is **18.2566, 21.9439, 49.7282**.

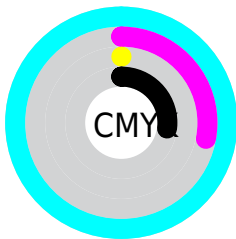
Distribution



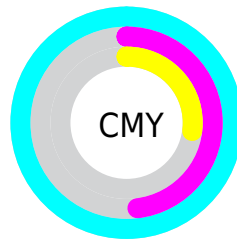
- Red (0%)
- Green (52%)
- Blue (73%)



- Red (0%)
- Yellow (31%)
- Blue (73%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2505, 20.3202, 49.4674 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 17.2505, 20.3202, 49.4674 by changing the saturation by 10% instead.

■ 17.2505, 20.3202,
49.4674

■ 17.2505, 20.3202,
49.4674

■ 229.7400,
253.6433, 401.2547

■ 10.5097, 12.6280,
34.6222

■ 38.2962, 43.9534,
90.7734

■ 5.8030, 7.1729,
23.0908

■ 53.3317, 60.6631,
118.0713

■ 2.7652, 3.5705,
14.4546

■ 71.8628, 81.1476,
150.3571

■ 1.0308, 1.4363,
8.2952

■ 94.2549, 105.7911,
188.0495

■ 0.0000, 0.2433,
4.1939

■ 120.8733,
134.9780, 231.5669

■ 0.0000, 0.0000,
1.7323

■ 152.0834,

■ 0.0000, 0.0000,

169.0927, 281.3278

0.3827

188.2505,
208.5197, 337.7509

■ 0.0000, 0.0000,
0.0000

■ 17.2505, 20.3202,
49.4674

■ 17.2505, 20.3202,
49.4674

■ 17.2490, 20.3172,
49.4673

■ 18.2566, 21.9439,
49.7282

■ 19.5480, 23.7697,
50.0126

■ 21.2176, 25.8462,
50.3254

■ 23.3110, 28.1980,
50.6690

■ 25.8672, 30.8457,
51.0453

■ 28.9205, 33.8078,
51.4561

■ 32.5017, 37.1009,
51.9030

■ 36.6390, 40.7402,
52.3874

■ 41.3587, 44.7399,
52.9107

Harmonies

Analogous

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



14.3856, 20.3202, 40.1955



17.2505, 20.3202, 49.4674



21.0748, 20.3202, 50.0355

Triad

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



17.2505, 20.3202, 49.4674



27.5022, 20.3202, 17.5801



14.6467, 20.3202, 9.9513

Complementary

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



17.2505, 20.3202, 49.4674



21.5252, 12.9894, 1.3739

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.



17.6536, 20.3202, 7.1867



17.2505, 20.3202, 49.4674



25.2555, 20.3202, 10.4916

Square

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



17.2505, 20.3202, 49.4674



27.3562, 20.3202, 28.8422



21.5353, 20.3202, 7.3442



13.0257, 20.3202, 16.5416

Rectangle

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



17.2505, 20.3202, 49.4674



23.6933, 20.3202, 45.1611



21.5353, 20.3202, 7.3442



15.5101, 20.3202, 8.6601

Sweetspot

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



17.2512, 20.3209, 49.4679



58.5489, 66.9215, 94.0327



18.1961, 35.3730, 9.2045



12.2660, 14.1667, 20.6305



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.2512, 20.3209, 49.4679



31.0478, 36.3922, 89.5894



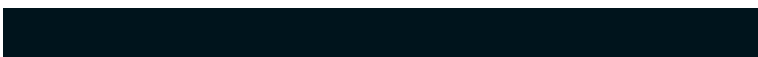
9.6337, 5.0857, 46.9287



9.0446, 9.7663, 11.4878



11.6708, 13.8013, 33.3019



0.4613, 0.5864, 1.1906

Inverse Universe

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



24.4841, 12.1336, 23.2423



44.2667, 21.9466, 41.5430



30.4844, 30.9078, 4.3603



9.2688, 9.1179, 10.7631



16.5046, 8.1756, 15.8098



0.6070, 0.2983, 0.6900

Previews

White Background



This preview shows how the XYZ color 17.2505, 20.3202, 49.4674 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2505, 20.3202, 49.4674 looks on a black 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

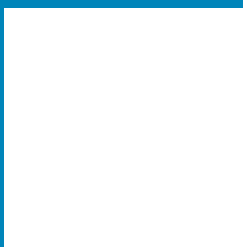
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2505, 20.3202, 49.4674

Background



This preview shows how black text looks on a background with the XYZ color 17.2505, 20.3202, 49.4674.

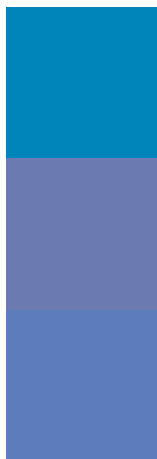


This preview shows how white text looks on a background with the XYZ color 17.2505, 20.3202,

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

17.2505, 20.3202, 49.4674

Protanopia

20.9588, 20.2192, 44.3930

Deuteranopia

20.7990, 20.3733, 50.4132



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

17.2505, 20.3202, 49.4674

Protanomaly

18.0830, 19.4459, 45.9804

Deuteranomaly

18.3626, 19.6964, 49.8477

Tritanomaly

15.3257, 20.2170, 37.2769

Monochromacy



Original Color

17.2505, 20.3202, 49.4674

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8311, 14.0643, 23.5639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2505, 20.3202, 49.4674 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, 133, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 186)  
}
```

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, 133, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.2505, 20.3202, 49.4674 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, 133, 186) }
```


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

```
.border{ border-color:rgb(0, 133, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2505, 20.3202, 49.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 186) }
```

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

```
.background{ background-color: rgb(0, 133,  
186) }
```

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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