

Converting Colors

XYZ(13.0265, 16.8534, 32.7034)

Have a look what the booklet for
XYZ(13.0265, 16.8534, 32.7034)
contains.

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Color

**XYZ(13.0834, 16.9671,
32.7224)**

Conversions

Conversions Part 1

Format	Color
Hex	007D99
RGB	0, 125, 153
RGB Percent	0%, 49%, 60%
CMY	0.9999, 0.5098, 0.4000
CMYK	1.00, 0.18, 0.00, 0.40
HSL	191°, 100%, 30%
HSV	191°, 100%, 60%
XYZ	13.0834, 16.9671, 32.7224
YIQ	90.8170, -83.4880, -17.7920

Conversions

Conversions Part 2

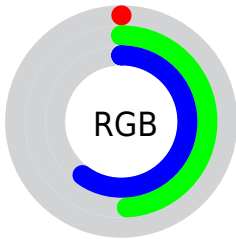
Format	Color
RYB	0, 69, 153
Decimal	32153
CIELab	48.22, -18.64, -23.24
CIElCh	48, 29.794, 231.274
Yxy	16.9671, 0.2084, 0.2703
Android (android.graphics.Color)	4278222233 (0xFF007D99)
YUV	90.8170, 30.6562, -79.6465
Hunter-Lab	41.1911, -15.3882, -18.2664

Details

The XYZ color **13.0834, 16.9671, 32.7224** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.5531, 7.6043, 0.7542**, and the grayscale version is **9.8507, 10.3637, 11.2861**.

A 20% lighter version of the original color is **31.0206, 38.3242, 64.7938**, and **4.9827, 6.1282, 13.4906** is the 20% darker color. If you saturate the color by 10%, you get **13.0830, 16.9662, 32.7226**, and if you desaturate by 10%, it is **13.6456, 17.7910, 32.8521**.

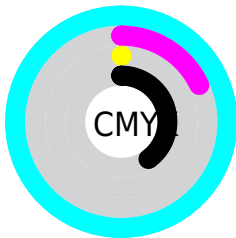
Distribution



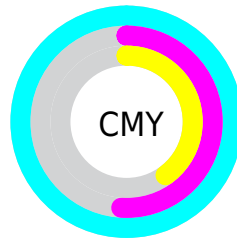
- Red (0%)
- Green (49%)
- Blue (60%)



- Red (0%)
- Yellow (27%)
- Blue (60%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0834, 16.9671, 32.7224 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 13.0834, 16.9671, 32.7224 by changing the saturation by 10% instead.

■ 13.0834, 16.9671,
32.7224

■ 13.0834, 16.9671,
32.7224

■ 205.0783,
234.9827, 328.9906

■ 7.5634, 10.2110,
21.6445

■ 31.0536, 38.2692,
65.0529

■ 3.8663, 5.5391,
13.4001

■ 44.2345, 53.5840,
87.1426

■ 1.6268, 2.5669,
7.5707

■ 60.6997, 72.5206,
113.7399

■ 0.4098, 0.9101,
3.7377

■ 80.8146, 95.4632,
145.2635

■ 0.0000, 0.0000,
1.4826

■ 104.9446,
122.7963, 182.1318

■ 0.0000, 0.0000,
0.2049

■ 133.4549,

■ 0.0000, 0.0000,

154.9044, 224.7633

0.0000

166.7110,
192.1717, 273.5768

■ 13.0834, 16.9671,
32.7224

■ 13.0834, 16.9671,
32.7224

■ 13.0830, 16.9662,
32.7226

■ 13.6456, 17.7910,
32.8521

■ 14.3668, 18.7115,
32.9918

■ 15.3161, 19.7647,
33.1450

■ 16.5212, 20.9649,
33.3132

■ 18.0056, 22.3245,
33.4974

■ 19.7902, 23.8542,
33.6986

■ 21.8938, 25.5639,
33.9177

■ 24.3335, 27.4625,
34.1556

■ 27.1254, 29.5584,
34.4130

Harmonies

Analogous

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



11.7446, 16.9671, 24.4308



13.0834, 16.9671, 32.7224



15.3495, 16.9671, 37.4836

Triad

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



13.0834, 16.9671, 32.7224



21.8409, 16.9671, 20.8305



14.3102, 16.9671, 7.7704

Complementary

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



13.0834, 16.9671, 32.7224



13.5531, 7.6043, 0.7542

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.



16.9297, 16.9671, 7.3064



13.0834, 16.9671, 32.7224



21.4823, 16.9671, 13.5744

Square

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



13.0834, 16.9671, 32.7224



20.5399, 16.9671, 29.4630



19.6088, 16.9671, 9.1111



12.3958, 16.9671, 10.6268

Rectangle

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



13.0834, 16.9671, 32.7224



17.1663, 16.9671, 37.2994



19.6088, 16.9671, 9.1111



15.1300, 16.9671, 7.3686

Sweetspot

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



13.0840, 16.9677, 32.7228



38.9617, 45.5848, 60.7172



11.5729, 22.8554, 4.7512



8.2706, 9.7983, 13.3729



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.0840, 16.9677, 32.7228



23.3048, 30.1340, 58.5601



6.9348, 4.6694, 30.6731



6.2884, 6.8342, 7.9167



10.8350, 14.0666, 27.0518



0.1841, 0.2546, 0.4118

Inverse Universe

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



16.8391, 8.2537, 20.1081



30.0923, 14.7547, 35.6751



17.8895, 16.2771, 2.1997



6.4127, 6.3042, 7.5534



13.9277, 6.8253, 16.6764



0.2194, 0.1065, 0.3082

Previews

White Background



This preview shows how the XYZ color 13.0834, 16.9671, 32.7224 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 13.0834, 16.9671, 32.7224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

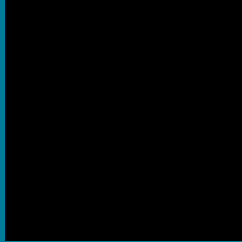
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0834, 16.9671, 32.7224

Background



This preview shows how black text looks on a background with the XYZ color 13.0834, 16.9671, 32.7224.



This preview shows how white text looks on a background with the XYZ color 13.0834, 16.9671,

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

13.0834, 16.9671, 32.7224

Protanopia

16.8830, 16.8880, 28.7554

Deuteranopia

17.2727, 16.9773, 33.8191



Tritanopia

12.1047, 16.9849, 26.3073

Trichromacy



Original Color

13.0834, 16.9671, 32.7224

Protanomaly

13.9425, 16.0225, 29.9616

Deuteranomaly

14.3920, 16.1791, 33.3747

Tritanomaly

12.4188, 16.9049, 28.5950

Monochromacy



Original Color

13.0834, 16.9671, 32.7224

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.6324, 11.8149, 17.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0834, 16.9671, 32.7224 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, 125, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 153)  
}
```

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, 125, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 153) }
```

Border

The CSS property to change the border of an element to XYZ 13.0834, 16.9671, 32.7224 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, 125, 153) }
```


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

```
.border{ border-color:rgb(0, 125, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0834, 16.9671, 32.7224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 153) }
```

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

```
.background{ background-color: rgb(0, 125,  
153) }
```

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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