

Converting Colors

XYZ(13.4721, 17.6175, 33.2435)

Have a look what the booklet for
XYZ(13.4721, 17.6175, 33.2435)
contains.

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Color

**XYZ(13.4221, 17.5118,
33.2446)**

Conversions

Conversions Part 1

Format	Color
Hex	007F9A
RGB	0, 127, 154
RGB Percent	0%, 50%, 60%
CMY	0.9999, 0.5020, 0.3961
CMYK	1.00, 0.18, 0.00, 0.40
HSL	191°, 100%, 30%
HSV	191°, 100%, 60%
XYZ	13.4221, 17.5118, 33.2446
YIQ	92.1050, -84.3590, -18.5270

Conversions

Conversions Part 2

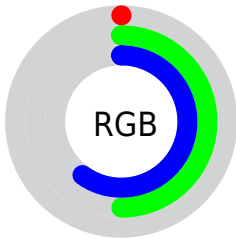
Format	Color
RYB	0, 70, 154
Decimal	32666
CIELab	48.90, -19.36, -22.78
CIELCh	49, 29.896, 229.638
Yxy	17.5118, 0.2091, 0.2729
Android (android.graphics.Color)	4278222746 (0xFF007F9A)
YUV	92.1050, 30.5142, -80.7761
Hunter-Lab	41.8471, -15.9801, -17.8088

Details

The XYZ color **13.4221, 17.5118, 33.2446** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.7192, 7.6552, 0.7552**, and the grayscale version is **10.1446, 10.6729, 11.6228**.

A 20% lighter version of the original color is **31.6369, 39.2228, 65.5778**, and **5.1726, 6.4281, 13.8001** is the 20% darker color. If you saturate the color by 10%, you get **13.4218, 17.5111, 33.2448**, and if you desaturate by 10%, it is **13.9798, 18.3244, 33.3724**.

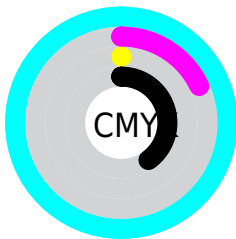
Distribution



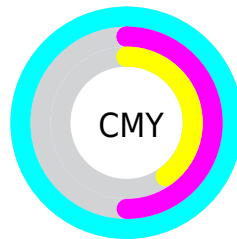
- Red (0%)
- Green (50%)
- Blue (60%)



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



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



- Cyan (100%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4221, 17.5118, 33.2446 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 13.4221, 17.5118, 33.2446 by changing the saturation by 10% instead.

■ 13.4221, 17.5118,
33.2446

■ 13.4221, 17.5118,
33.2446

207.1888,
238.1047, 331.4162

■ 7.7988, 10.6001,
22.0412

■ 31.6550, 39.2037,
65.8776

■ 4.0172, 5.7986,
13.6886

■ 44.9953, 54.7526,
88.1444

■ 1.7119, 2.7230,
7.7681

■ 61.6386, 73.9493,
114.9360

■ 0.4637, 0.9889,
3.8613

■ 81.9504, 97.1784,
146.6711

■ 0.0000, 0.0000,
1.5496

■ 106.2960,
124.8240, 183.7681

■ 0.0000, 0.0000,
0.2544

■ 135.0406,

■ 0.0000, 0.0000,

157.2707, 226.6456

0.0000

168.5498,
194.9028, 275.7221

■ 13.4221, 17.5118,
33.2446

■ 13.4221, 17.5118,
33.2446

■ 13.4218, 17.5111,
33.2448

■ 13.9798, 18.3244,
33.3724

■ 14.6986, 19.2336,
33.5100

■ 15.6480, 20.2758,
33.6611

■ 16.8562, 21.4657,
33.8271

■ 18.3473, 22.8156,
34.0091

■ 20.1422, 24.3366,
34.2081

■ 22.2601, 26.0386,
34.4250

■ 24.7185, 27.9307,
34.6606

■ 27.5337, 30.0214,
34.9158

Harmonies

Analogous

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



12.1072, 17.5118, 24.6788



13.4221, 17.5118, 33.2446



15.7029, 17.5118, 38.3991

Triad

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



13.4221, 17.5118, 33.2446



22.4652, 17.5118, 21.9506



14.9146, 17.5118, 7.9913

Complementary

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



13.4221, 17.5118, 33.2446



13.7192, 7.6552, 0.7552

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.



17.6229, 17.5118, 7.6384



13.4221, 17.5118, 33.2446



22.1935, 17.5118, 14.3784

Square

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



13.4221, 17.5118, 33.2446



21.0508, 17.5118, 30.7766



20.3452, 17.5118, 9.6318



12.9003, 17.5118, 10.7834

Rectangle

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



13.4221, 17.5118, 33.2446



17.5540, 17.5118, 38.4526



20.3452, 17.5118, 9.6318



15.7669, 17.5118, 7.6202

Sweetspot

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



13.4227, 17.5124, 33.2450



40.1814, 47.0997, 62.5097



11.7390, 23.1849, 4.8155



8.7398, 10.3786, 14.1130



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.4227, 17.5124, 33.2450



24.2548, 31.5565, 60.3490



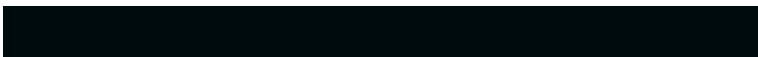
7.0323, 4.7317, 31.1149



6.2924, 6.8422, 7.9180



10.9581, 14.3128, 27.0928



0.1852, 0.2568, 0.4122

Inverse Universe

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



17.1577, 8.4030, 20.7968



31.1031, 15.2378, 37.4389



18.1448, 16.5063, 2.2304



6.4147, 6.3050, 7.5640



13.9899, 6.8502, 17.0036



0.2199, 0.1067, 0.3111

Previews

White Background



This preview shows how the XYZ color 13.4221, 17.5118, 33.2446 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 13.4221, 17.5118, 33.2446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

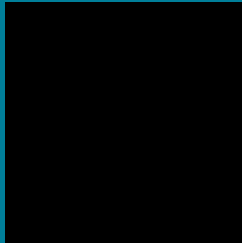
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4221, 17.5118, 33.2446

Background



This preview shows how black text looks on a background with the XYZ color 13.4221, 17.5118, 33.2446.



This preview shows how white text looks on a background with the XYZ color 13.4221, 17.5118,

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

13.4221, 17.5118, 33.2446

Protanopia

17.4259, 17.4939, 29.2463

Deuteranopia

17.8120, 17.4120, 34.3203



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

13.4221, 17.5118, 33.2446

Protanomaly

14.3964, 16.5970, 30.4617

Deuteranomaly

14.8443, 16.7522, 33.9036

Tritanomaly

12.7532, 17.4520, 29.0820

Monochromacy



Original Color

13.4221, 17.5118, 33.2446

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9497, 12.2708, 18.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4221, 17.5118, 33.2446 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, 127, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 154)  
}
```

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, 127, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 154) }
```

Border

The CSS property to change the border of an element to XYZ 13.4221, 17.5118, 33.2446 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, 127, 154) }
```


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

```
.border{ border-color:rgb(0, 127, 154) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4221, 17.5118, 33.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 154) }
```

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

```
.background{ background-color: rgb(0, 127,  
154) }
```

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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