

Converting Colors

XYZ(13.5002, 20.1026, 25.7498)

Have a look what the booklet for
XYZ(13.5002, 20.1026, 25.7498)
contains.

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Color

**XYZ(13.5357, 20.1865,
25.7372)**

Conversions

Conversions Part 1

Format	Color
Hex	008B86
RGB	0, 139, 134
RGB Percent	0%, 55%, 53%
CMY	0.9999, 0.4549, 0.4745
CMYK	1.00, 0.00, 0.04, 0.45
HSL	178°, 100%, 27%
HSV	178°, 100%, 55%
XYZ	13.5357, 20.1865, 25.7372
YIQ	96.8690, -81.2390, -31.0230

Conversions

Conversions Part 2

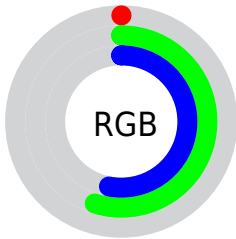
Format	Color
RYB	0, 71, 139
Decimal	35718
CIELab	52.05, -32.20, -6.34
CIELCh	52, 32.819, 191.133
Yxy	20.1865, 0.2276, 0.3395
Android (android.graphics.Color)	4278225798 (0xFF008B86)
YUV	96.8690, 18.3056, -84.9541
Hunter-Lab	44.9294, -24.8504, -2.5129

Details

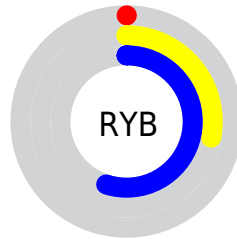
The XYZ color **13.5357, 20.1865, 25.7372** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.6755, 5.5005, 0.6432**, and the grayscale version is **11.3025, 11.8911, 12.9494**.

A 20% lighter version of the original color is **31.7859, 43.6591, 53.7655**, and **5.1294, 7.6353, 9.7977** is the 20% darker color. If you saturate the color by 10%, you get **13.5360, 20.1871, 25.7374**, and if you desaturate by 10%, it is **13.7509, 20.2938, 25.9303**.

Distribution



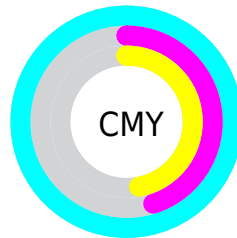
- Red (0%)
- Green (55%)
- Blue (53%)



- Red (0%)
- Yellow (28%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5357, 20.1865, 25.7372 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 13.5357, 20.1865, 25.7372 by changing the saturation by 10% instead.

■ 13.5357, 20.1865,
25.7372

■ 13.5357, 20.1865,
25.7372

207.8919,
252.9230, 295.0539

■ 7.8780, 12.5307,
16.4031

■ 31.8561, 43.7296,
53.8295

■ 4.0681, 7.1062,
9.6524

■ 45.2495, 60.3858,
73.4249

■ 1.7407, 3.5286,
5.0666

■ 61.9521, 80.8108,
97.2778

■ 0.4816, 1.4135,
2.2269

■ 82.3294, 105.3891,
125.8068

■ 0.0000, 0.2267,
0.6899

■ 106.7467,
134.5050, 159.4303

■ 0.0000, 0.0000,
0.0000

■ 135.5693,

168.5431, 198.5670

169.1626,
207.8876, 243.6354

■ 13.5357, 20.1865,
25.7372

■ 13.5357, 20.1865,
25.7372

■ 13.5360, 20.1871,
25.7374

■ 13.7509, 20.2938,
25.9303

■ 14.0801, 20.4595,
26.1291

■ 14.5849, 20.7156,
26.3370

■ 15.2866, 21.0733,
26.5550

■ 16.2038, 21.5420,
26.7840

■ 17.3528, 22.1302,
27.0247

■ 18.7483, 22.8454,
27.2777

■ 20.4038, 23.6947,
27.5438

■ 22.3318, 24.6844,
27.8236

Harmonies

Analogous

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



13.7146, 20.1865, 16.5384



13.5357, 20.1865, 25.7372



14.7331, 20.1865, 36.4829

Triad

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



13.5357, 20.1865, 25.7372



23.7429, 20.1865, 39.0049



21.3456, 20.1865, 8.7379

Complementary

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



13.5357, 20.1865, 25.7372



10.6755, 5.5005, 0.6432

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.



24.4579, 20.1865, 11.9419



13.5357, 20.1865, 25.7372



25.9493, 20.1865, 28.5000

Square

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



13.5357, 20.1865, 25.7372



20.4574, 20.1865, 45.4997



26.2252, 20.1865, 18.6069



17.9697, 20.1865, 8.3944

Rectangle

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



13.5357, 20.1865, 25.7372



16.2423, 20.1865, 42.4134



26.2252, 20.1865, 18.6069



22.4670, 20.1865, 9.4603

Sweetspot

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



13.5363, 20.1873, 25.7377



33.3934, 40.8183, 48.8172



9.3202, 18.5109, 3.0822



7.4704, 9.2906, 11.2093



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.5363, 20.1873, 25.7377



24.2263, 36.1450, 46.0182



7.2768, 7.0966, 25.4132



5.1652, 5.6856, 6.3909



12.2179, 18.2197, 23.2357



0.0823, 0.1215, 0.1603

Inverse Universe

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



10.6755, 5.5005, 0.6432



19.1035, 9.8441, 1.0803



12.4012, 8.9957, 1.0832



5.0397, 5.0513, 5.2975



9.6360, 4.9645, 0.5874



0.0648, 0.0333, 0.0083

Previews

White Background



This preview shows how the XYZ color 13.5357, 20.1865, 25.7372 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 13.5357, 20.1865, 25.7372 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

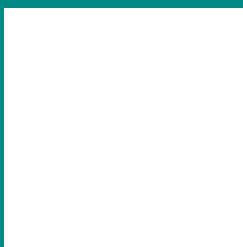
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5357, 20.1865, 25.7372

Background



This preview shows how black text looks on a background with the XYZ color 13.5357, 20.1865, 25.7372.



This preview shows how white text looks on a background with the XYZ color 13.5357, 20.1865,

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

13.5357, 20.1865, 25.7372

Protanopia

19.1785, 19.9811, 21.9147

Deuteranopia

20.3572, 19.9350, 26.8197



Tritanopia

14.7977, 20.2906, 31.1535

Trichromacy



Original Color

13.5357, 20.1865, 25.7372

Protanomaly

15.0548, 18.9645, 23.2891

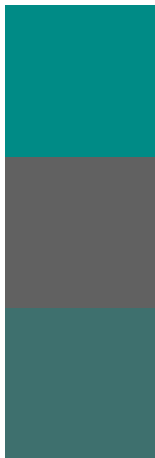
Deuteranomaly

15.5844, 18.7787, 26.4702

Tritanomaly

14.2959, 20.2887, 29.1492

Monochromacy



Original Color

13.5357, 20.1865, 25.7372

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5952, 13.7383, 16.8452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5357, 20.1865, 25.7372 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, 139, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 134)  
}
```

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, 139, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 134) }
```

Border

The CSS property to change the border of an element to XYZ 13.5357, 20.1865, 25.7372 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, 139, 134) }
```


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

```
.border{ border-color:rgb(0, 139, 134) }
```

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

Here you see how a box with a 4 pixel rgb(0, 139, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5357, 20.1865, 25.7372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 134) }
```

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

```
.background{ background-color: rgb(0, 139,  
134) }
```

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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