

Converting Colors

XYZ(9.9997, 18.2945, 24.5041)

Have a look what the booklet for
XYZ(9.9997, 18.2945, 24.5041)
contains.

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Color

**XYZ(13.3294, 20.1039,
24.6506)**

Conversions

Conversions Part 1

Format	Color
Hex	008B83
RGB	0, 139, 131
RGB Percent	0%, 55%, 51%
CMY	0.9999, 0.4549, 0.4863
CMYK	1.00, 0.00, 0.06, 0.45
HSL	177°, 100%, 27%
HSV	177°, 100%, 55%
XYZ	13.3294, 20.1039, 24.6506
YIQ	96.5270, -80.2760, -31.9560

Conversions

Conversions Part 2

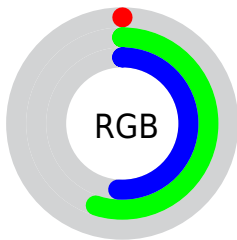
Format	Color
RYB	0, 72, 139
Decimal	35715
CIELab	51.95, -33.13, -4.73
CIELCh	52, 33.470, 188.128
Yxy	20.1039, 0.2295, 0.3461
Android (android.graphics.Color)	4278225795 (0xFF008B83)
YUV	96.5270, 16.9952, -84.6542
Hunter-Lab	44.8374, -25.4003, -1.2102

Details

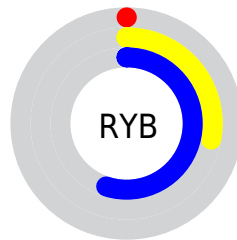
The XYZ color **13.3294, 20.1039, 24.6506** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.6920, 5.5073, 0.7299**, and the grayscale version is **11.2223, 11.8067, 12.8575**.

A 20% lighter version of the original color is **31.4680, 43.5319, 52.0914**, and **5.0127, 7.5886, 9.1832** is the 20% darker color. If you saturate the color by 10%, you get **13.3296, 20.1045, 24.6506**, and if you desaturate by 10%, it is **13.5641, 20.2190, 24.9463**.

Distribution



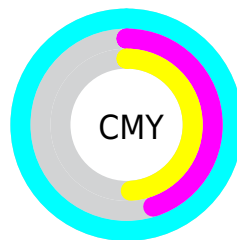
- Red (0%)
- Green (55%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3294, 20.1039, 24.6506 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 13.3294, 20.1039, 24.6506 by changing the saturation by 10% instead.

■ 13.3294, 20.1039,
24.6506

■ 13.3294, 20.1039,
24.6506

206.6133,
252.4770, 289.4852

■ 7.7343, 12.4706,
15.6003

■ 31.4906, 43.5913,
52.0469

■ 3.9758, 7.0650,
9.0905

■ 44.7875, 60.2142,
71.2300

■ 1.6884, 3.5028,
4.7026

■ 61.3823, 80.6024,
94.6277

■ 0.4490, 1.3995,
2.0182

■ 81.6404, 105.1403,
122.6586

■ 0.0000, 0.2164,
0.5664

■ 105.9272,
134.2124, 155.7413

■ 0.0000, 0.0000,
0.0000

■ 134.6081,

168.2029, 194.2942

168.0483,
207.4963, 238.7360

■ 13.3294, 20.1039,
24.6506

■ 13.3294, 20.1039,
24.6506

■ 13.3296, 20.1045,
24.6506

■ 13.5641, 20.2190,
24.9463

■ 13.9132, 20.3927,
25.2491

■ 14.4380, 20.6568,
25.5623

■ 15.1601, 21.0226,
25.8869

■ 16.0979, 21.4996,
26.2238

■ 17.2678, 22.0962,
26.5738

■ 18.6844, 22.8199,
26.9376

■ 20.3612, 23.6777,
27.3158

■ 22.3110, 24.6761,
27.7090

Harmonies

Analogous

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



13.6511, 20.1039, 15.6183



13.3294, 20.1039, 24.6506



14.4046, 20.1039, 35.6355

Triad

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



13.3294, 20.1039, 24.6506



23.4446, 20.1039, 40.2117



21.6538, 20.1039, 8.6877

Complementary

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



13.3294, 20.1039, 24.6506



10.6920, 5.5073, 0.7299

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.



24.7380, 20.1039, 12.2298



13.3294, 20.1039, 24.6506



25.8545, 20.1039, 29.6487

Square

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



13.3294, 20.1039, 24.6506



20.0493, 20.1039, 46.2085



26.3540, 20.1039, 19.3431



18.1969, 20.1039, 8.0752

Rectangle

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



13.3294, 20.1039, 24.6506



15.8538, 20.1039, 41.9988



26.3540, 20.1039, 19.3431



22.7799, 20.1039, 9.5107

Sweetspot

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



13.3300, 20.1047, 24.6511



33.2752, 40.7711, 48.1948



9.3493, 18.5258, 3.0838



7.4399, 9.2784, 11.0488



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.



13.3300, 20.1047, 24.6511



23.8492, 35.9942, 44.0325



7.4407, 7.4243, 25.4677



5.1606, 5.6837, 6.3668



12.0324, 18.1455, 22.2590



0.0817, 0.1212, 0.1571

Inverse Universe

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



10.6920, 5.5073, 0.7299



19.1249, 9.8526, 1.1931



12.2768, 8.7470, 1.0420



5.0438, 5.0530, 5.3191



9.6517, 4.9708, 0.6700



0.0654, 0.0336, 0.0115

Previews

White Background



This preview shows how the XYZ color 13.3294, 20.1039, 24.6506 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 13.3294, 20.1039, 24.6506 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 13.3294, 20.1039, 24.6506

Background



This preview shows how black text looks on a background with the XYZ color 13.3294, 20.1039, 24.6506.



This preview shows how white text looks on a background with the XYZ color 13.3294, 20.1039,

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

13.3294, 20.1039, 24.6506

Protanopia

19.2000, 20.0067, 21.2621

Deuteranopia

20.2956, 19.9280, 25.6985



Tritanopia

14.8866, 20.3365, 31.1577

Trichromacy



Original Color

13.3294, 20.1039, 24.6506

Protanomaly

14.8602, 18.8867, 22.2643

Deuteranomaly

15.4597, 18.7390, 25.3564

Tritanomaly

14.2595, 20.2787, 28.7538

Monochromacy



Original Color

13.3294, 20.1039, 24.6506

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5411, 13.7166, 16.5600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3294, 20.1039, 24.6506 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.3294, 20.1039, 24.6506 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, 131) }
```


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

```
.border{ border-color:rgb(0, 139, 131) }
```

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, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3294, 20.1039, 24.6506 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, 131) }
```

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

```
.background{ background-color: rgb(0, 139,  
131) }
```

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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