

Converting Colors

XYZ(9.3515, 17.3549, 27.2602)

Have a look what the booklet for
XYZ(9.3515, 17.3549, 27.2602)
contains.

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Color

**XYZ(13.4644, 19.4724,
27.4750)**

Conversions

Conversions Part 1

Format	Color
Hex	00888B
RGB	0, 136, 139
RGB Percent	0%, 53%, 55%
CMY	0.9999, 0.4667, 0.4549
CMYK	1.00, 0.02, 0.00, 0.45
HSL	181°, 100%, 27%
HSV	181°, 100%, 55%
XYZ	13.4644, 19.4724, 27.4750
YIQ	95.6780, -82.0190, -27.8990

Conversions

Conversions Part 2

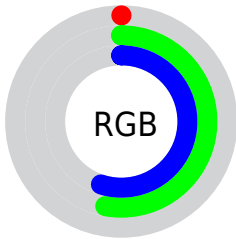
Format	Color
RYB	0, 69, 139
Decimal	34955
CIELab	51.24, -29.16, -10.46
CIELCh	51, 30.980, 199.733
Yxy	19.4724, 0.2229, 0.3223
Android (android.graphics.Color)	4278225035 (0xFF00888B)
YUV	95.6780, 21.3577, -83.9096
Hunter-Lab	44.1275, -22.7585, -6.0263

Details

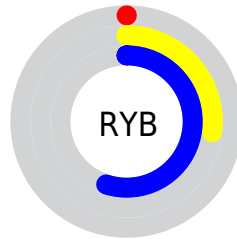
The XYZ color **13.4644, 19.4724, 27.4750** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.6806, 5.5547, 0.5099**, and the grayscale version is **11.0064, 11.5796, 12.6102**.

A 20% lighter version of the original color is **31.7656, 42.6111, 56.4197**, and **5.0517, 7.2183, 10.5782** is the 20% darker color. If you saturate the color by 10%, you get **13.4646, 19.4728, 27.4754**, and if you desaturate by 10%, it is **13.6869, 19.6503, 27.4980**.

Distribution



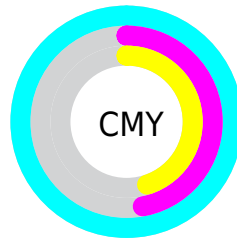
- Red (0%)
- Green (53%)
- Blue (55%)



- Red (0%)
- Yellow (27%)
- Blue (55%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (45%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4644, 19.4724, 27.4750 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 13.4644, 19.4724, 27.4750 by changing the saturation by 10% instead.

■ 13.4644, 19.4724,
27.4750

■ 13.4644, 19.4724,
27.4750

207.4509,
249.0444, 303.7823

■ 7.8283, 12.0121,
17.6947

■ 31.7299, 42.5308,
56.6581

■ 4.0362, 6.7519,
10.5639

■ 45.0900, 58.8978,
76.8980

■ 1.7226, 3.3074,
5.6639

■ 61.7554, 79.0024,
101.4616

■ 0.4704, 1.2943,
2.5764

■ 82.0916, 103.2291,
130.7672

■ 0.0000, 0.1368,
0.8802

■ 106.4639,
131.9622, 165.2336

■ 0.0000, 0.0000,
0.0000

■ 135.2377,

165.5862, 205.2792

168.7782,
204.4855, 251.3226

■ 13.4644, 19.4724,
27.4750

■ 13.4644, 19.4724,
27.4750

■ 13.4646, 19.4728,
27.4754

■ 13.6869, 19.6503,
27.4980

■ 14.0235, 19.8868,
27.5259

■ 14.5356, 20.2140,
27.5620

■ 15.2446, 20.6428,
27.6074

■ 16.1690, 21.1829,
27.6630

■ 17.3252, 21.8426,
27.7294

■ 18.7278, 22.6295,
27.8073

■ 20.3903, 23.5506,
27.8975

■ 22.3254, 24.6124,
28.0005

Harmonies

Analogous

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



13.2604, 19.4724, 18.3145



13.4644, 19.4724, 27.4750



14.9306, 19.4724, 36.9975

Triad

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



13.4644, 19.4724, 27.4750



23.4164, 19.4724, 34.1961



19.5861, 19.4724, 8.4887

Complementary

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



13.4644, 19.4724, 27.4750



10.6806, 5.5547, 0.5099

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.



22.6154, 19.4724, 10.6967



13.4644, 19.4724, 27.4750



24.9841, 19.4724, 24.3784

Square

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



13.4644, 19.4724, 27.4750



20.5852, 19.4724, 41.5648



24.6758, 19.4724, 15.9650



16.5754, 19.4724, 8.8893

Rectangle

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



13.4644, 19.4724, 27.4750



16.5272, 19.4724, 41.4800



24.6758, 19.4724, 15.9650



20.6410, 19.4724, 8.9196

Sweetspot

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



13.4650, 19.4731, 27.4755



33.3552, 40.4232, 49.7874



9.2459, 18.4708, 3.1451



7.4605, 9.1885, 11.4598



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.



13.4650, 19.4731, 27.4755



24.0960, 34.8391, 49.1976



6.6794, 5.9019, 25.2136



5.1637, 5.6704, 6.4282



12.1539, 17.5782, 24.7980



0.0821, 0.1195, 0.1652

Inverse Universe

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



15.0919, 7.2672, 23.9005



27.0179, 13.0098, 42.7569



12.9541, 10.1017, 1.2678



5.2293, 5.1271, 6.2958



13.6216, 6.5587, 21.5752



0.0912, 0.0438, 0.1469

Previews

White Background



This preview shows how the XYZ color 13.4644, 19.4724, 27.4750 looks on a white background.

Color Contrast Check

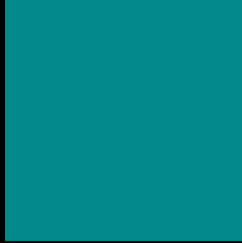
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4644, 19.4724, 27.4750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

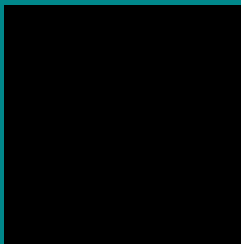
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4644, 19.4724, 27.4750

Background



This preview shows how black text looks on a background with the XYZ color 13.4644, 19.4724, 27.4750.



This preview shows how white text looks on a background with the XYZ color 13.4644, 19.4724,

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

13.4644, 19.4724, 27.4750

Protanopia

18.6850, 19.3247, 23.5141

Deuteranopia

19.7231, 19.3878, 28.6893



Tritanopia

14.1615, 19.5627, 30.2237

Trichromacy



Original Color

13.4644, 19.4724, 27.4750

Protanomaly

14.7551, 18.1929, 24.9242

Deuteranomaly

15.3580, 18.2399, 28.3024

Tritanomaly

13.7879, 19.3967, 29.0038

Monochromacy



Original Color

13.4644, 19.4724, 27.4750

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5335, 13.5308, 17.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4644, 19.4724, 27.4750 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, 136, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 139)  
}
```

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, 136, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 139) }
```

Border

The CSS property to change the border of an element to XYZ 13.4644, 19.4724, 27.4750 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, 136, 139) }
```


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

```
.border{ border-color:rgb(0, 136, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4644, 19.4724, 27.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 139) }
```

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

```
.background{ background-color: rgb(0, 136,  
139) }
```

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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