

Converting Colors

XYZ(13.8744, 20.0309, 25.5166)

Have a look what the booklet for
XYZ(13.8744, 20.0309, 25.5166)
contains.

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Color

**XYZ(13.8444, 19.9196,
25.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	208986
RGB	32, 137, 134
RGB Percent	13%, 54%, 53%
CMY	0.8745, 0.4627, 0.4745
CMYK	0.77, 0.00, 0.02, 0.46
HSL	178°, 62%, 33%
HSV	178°, 77%, 54%
XYZ	13.8444, 19.9196, 25.6695
YIQ	105.2630, -61.6170, -23.1930

Conversions

Conversions Part 2

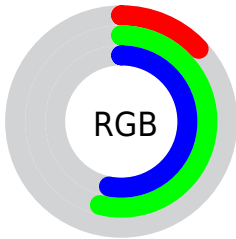
Format	Color
R_{YB}	32, 85, 137
Decimal	2132358
CIE _{Lab}	51.75, -28.93, -6.75
CIE _{LCh}	52, 29.710, 193.128
Yxy	19.9196, 0.2329, 0.3352
Android (android.graphics.Color)	4280322438 (0xFF208986)
YUV	105.2630, 14.1673, -64.2517
Hunter-Lab	44.6314, -22.7352, -2.8584

Details

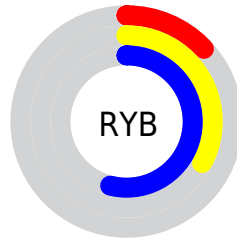
The XYZ color **13.8444, 19.9196, 25.6695** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.1371, 6.4734, 2.2532**, and the grayscale version is **13.4741, 14.1758, 15.4375**.

A 20% lighter version of the original color is **32.4243, 43.3363, 53.6695**, and **4.9675, 7.3115, 9.7438** is the 20% darker color. If you saturate the color by 10%, you get **13.4771, 19.7338, 25.5104**, and if you desaturate by 10%, it is **14.3901, 20.1982, 25.8383**.

Distribution



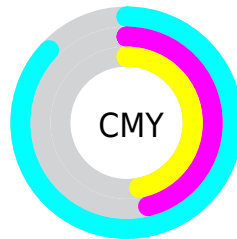
- Red (13%)
- Green (54%)
- Blue (53%)



- Red (13%)
- Yellow (33%)
- Blue (54%)



- Cyan (77%)
- Magenta (0%)
- Yellow (2%)
- Black (46%)



- Cyan (87%)
- Magenta (46%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8444, 19.9196, 25.6695 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 13.8444, 19.9196, 25.6695 by changing the saturation by 10% instead.

■ 13.8444, 19.9196,
25.6695

■ 13.8444, 19.9196,
25.6695

209.7907,
251.4795, 294.7096

■ 8.0935, 12.3366,
16.3530

■ 32.4013, 43.2823,
53.7188

■ 4.2071, 6.9734,
9.6172

■ 45.9379, 59.8309,
73.2887

■ 1.8200, 3.4454,
5.0437

■ 62.8006, 80.1368,
97.1135

■ 0.5297, 1.3685,
2.2137

■ 83.3545, 104.5843,
125.6117

■ 0.0000, 0.1933,
0.6823

■ 107.9652,
133.5580, 159.2019

■ 0.0000, 0.0000,
0.0000

■ 136.9978,

167.4422, 198.3025

170.8179,
206.6212, 243.3323

■ 13.8444, 19.9196,
25.6695

■ 13.8444, 19.9196,
25.6695

■ 13.4771, 19.7338,
25.5104

■ 14.3901, 20.1982,
25.8383

■ 13.2523, 19.6211,
25.3581

■ 15.1318, 20.5774,
26.0164

■ 13.1856, 19.5877,
25.3074

■ 16.0874, 21.0668,
26.2050

■ 17.2718, 21.6742,
26.4049

■ 18.6989, 22.4067,
26.6167

■ 20.3814, 23.2709,
26.8409

■ 22.3312, 24.2728,
27.0782

■ 24.5593, 25.4181,
27.3290

■ 27.0761, 26.7123,
27.5939

Harmonies

Analogous

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



13.9238, 19.9196, 17.2316



13.8444, 19.9196, 25.6695



15.0209, 19.9196, 35.0847

Triad

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



13.8444, 19.9196, 25.6695



23.1647, 19.9196, 36.1487



20.6602, 19.9196, 9.3935

Complementary

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



13.8444, 19.9196, 25.6695



11.1371, 6.4734, 2.2532

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.



23.4714, 19.9196, 12.2282



13.8444, 19.9196, 25.6695



25.0190, 19.9196, 26.8557

Square

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



13.8444, 19.9196, 25.6695



20.2761, 19.9196, 42.1287



25.1368, 19.9196, 18.1430



17.6505, 19.9196, 9.2343

Rectangle

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



13.8444, 19.9196, 25.6695



16.4393, 19.9196, 40.0550



25.1368, 19.9196, 18.1430



21.6669, 19.9196, 10.0223

Sweetspot

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



13.8450, 19.9204, 25.6700



34.3781, 40.5835, 47.7873



9.9172, 18.3625, 4.3886



7.5083, 8.9987, 10.6905



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.8450, 19.9204, 25.6700



23.8267, 35.1842, 45.4809



8.6015, 9.0936, 24.9696



5.1668, 5.6862, 6.3992



12.2827, 18.2457, 23.5772



0.0825, 0.1216, 0.1614

Inverse Universe

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



11.1371, 6.4734, 2.2532



18.7532, 9.8928, 1.5360



13.5205, 11.3084, 2.8372



5.0383, 5.0508, 5.2901



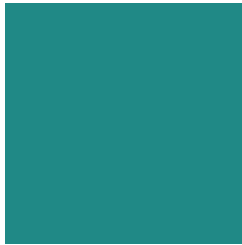
9.6306, 4.9624, 0.5591



0.0646, 0.0332, 0.0072

Previews

White Background



This preview shows how the XYZ color 13.8444, 19.9196, 25.6695 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 13.8444, 19.9196, 25.6695 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

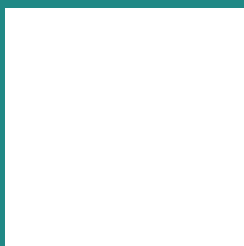
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8444, 19.9196, 25.6695

Background



This preview shows how black text looks on a background with the XYZ color 13.8444, 19.9196, 25.6695.



This preview shows how white text looks on a background with the XYZ color 13.8444, 19.9196,

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

13.8444, 19.9196, 25.6695

Protanopia

18.9734, 19.6848, 22.2016

Deuteranopia

19.9367, 19.5407, 26.7657



Tritanopia

14.7667, 19.8747, 30.2520

Trichromacy



Original Color

13.8444, 19.9196, 25.6695

Protanomaly

15.8000, 18.9614, 23.2492

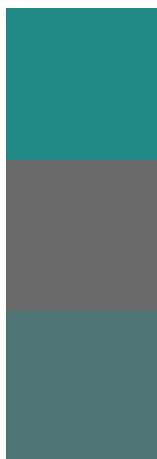
Deuteranomaly

16.3898, 19.0032, 26.4711

Tritanomaly

14.4860, 19.9734, 28.6829

Monochromacy



Original Color

13.8444, 19.9196, 25.6695

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6556, 15.6032, 18.8677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8444, 19.9196, 25.6695 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(32, 137, 134)` looks like.

```
.text, #text, p{  
    color:rgb(32, 137, 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(32, 137, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 137, 134) }
```

Border

The CSS property to change the border of an element to XYZ 13.8444, 19.9196, 25.6695 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(32, 137, 134) }
```


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

```
.border{ border-color:rgb(32, 137, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 137, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 137, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 137, 134);  
box-shadow:4px 4px 4px 4px rgb(32, 137,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8444, 19.9196, 25.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 137, 134) }
```

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

```
.background{ background-color: rgb(32, 137,  
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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