

Converting Colors

XYZ(13.7166, 19.4683, 26.0212)

Have a look what the booklet for
XYZ(13.7166, 19.4683, 26.0212)
contains.

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Color

**XYZ(13.6643, 19.4005,
25.9462)**

Conversions

Conversions Part 1

Format	Color
Hex	218787
RGB	33, 135, 135
RGB Percent	13%, 53%, 53%
CMY	0.8706, 0.4706, 0.4706
CMYK	0.76, 0.00, 0.00, 0.47
HSL	180°, 61%, 33%
HSV	180°, 76%, 53%
XYZ	13.6643, 19.4005, 25.9462
YIQ	104.5020, -60.7920, -21.6240

Conversions

Conversions Part 2

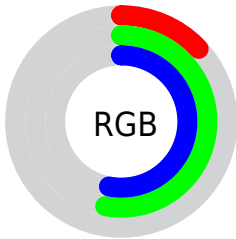
Format	Color
R_YB	33, 84, 135
Decimal	2197383
CIE _{Lab}	51.15, -27.52, -8.21
CIE _{LCh}	51, 28.720, 196.619
Yxy	19.4005, 0.2316, 0.3288
Android (android.graphics.Color)	4280387463 (0xFF218787)
YUV	104.5020, 15.0355, -62.7073
Hunter-Lab	44.0460, -21.7048, -4.0938

Details

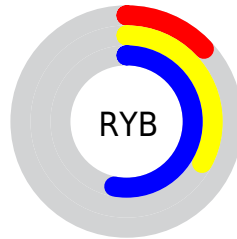
The XYZ color **13.6643, 19.4005, 25.9462** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.8106, 6.3489, 2.0950**, and the grayscale version is **13.2660, 13.9569, 15.1991**.

A 20% lighter version of the original color is **32.0986, 42.5128, 54.0910**, and **4.8882, 7.1529, 9.7173** is the 20% darker color. If you saturate the color by 10%, you get **13.3160, 19.2214, 25.9303**, and if you desaturate by 10%, it is **14.1872, 19.6705, 25.9712**.

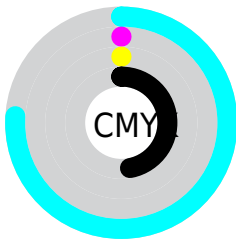
Distribution



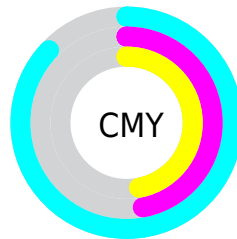
- Red (13%)
- Green (53%)
- Blue (53%)



- Red (13%)
- Yellow (33%)
- Blue (53%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (47%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6643, 19.4005, 25.9462 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 13.6643, 19.4005, 25.9462 by changing the saturation by 10% instead.

■ 13.6643, 19.4005,
25.9462

■ 13.6643, 19.4005,
25.9462

■ 208.6850,
248.6509, 296.1149

■ 7.9677, 11.9600,
16.5580

■ 32.0834, 42.4098,
54.1712

■ 4.1259, 6.7165,
9.7612

■ 45.5367, 58.7473,
73.8450

■ 1.7736, 3.2854,
5.1374

■ 62.3062, 78.8194,
97.7844

■ 0.5017, 1.2825,
2.2680

■ 82.7573, 103.0104,
126.4081

■ 0.0000, 0.1276,
0.7132

■ 107.2554,
131.7046, 160.1344

■ 0.0000, 0.0000,
0.0000

■ 136.1658,

165.2865, 199.3819

169.8539,
204.1405, 244.5693

■ 13.6643, 19.4005,
25.9462

■ 13.6643, 19.4005,
25.9462

■ 13.3160, 19.2214,
25.9303

■ 14.1872, 19.6705,
25.9712

■ 13.1127, 19.1165,
25.9207

■ 14.9014, 20.0387,
26.0046

■ 13.0375, 19.0778,
25.9172

■ 15.8237, 20.5141,
26.0478

■ 16.9686, 21.1044,
26.1015

■ 18.3493, 21.8161,
26.1661

■ 19.9779, 22.6557,
26.2424

■ 21.8657, 23.6289,
26.3308

■ 24.0233, 24.7412,
26.4318

■ 26.4608, 25.9978,
26.5459

Harmonies

Analogous

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



13.5987, 19.4005, 17.6908



13.6643, 19.4005, 25.9462



14.9207, 19.4005, 34.7323

Triad

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



13.6643, 19.4005, 25.9462



22.7234, 19.4005, 33.8647



19.7392, 19.4005, 9.2247

Complementary

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



13.6643, 19.4005, 25.9462



10.8106, 6.3489, 2.0950

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.



22.4723, 19.4005, 11.6349



13.6643, 19.4005, 25.9462



24.3114, 19.4005, 24.9746

Square

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



13.6643, 19.4005, 25.9462



20.0544, 19.4005, 40.0506



24.2150, 19.4005, 16.9394



16.9139, 19.4005, 9.3577

Rectangle

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



13.6643, 19.4005, 25.9462



16.3460, 19.4005, 39.0870



24.2150, 19.4005, 16.9394



20.7047, 19.4005, 9.7310

Sweetspot

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



13.6649, 19.4012, 25.9467



33.4163, 39.3546, 46.8831



9.6220, 17.7905, 4.3661



7.5382, 9.0106, 10.8482



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.



13.6649, 19.4012, 25.9467



23.5578, 34.2723, 46.4212



8.3049, 8.6811, 24.1603



4.8016, 5.2789, 5.9666



12.0218, 17.5916, 23.8982



0.0416, 0.0609, 0.0828

Inverse Universe

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



10.8106, 6.3489, 2.0950



18.1684, 9.6269, 1.3844



13.3069, 11.3414, 2.9270



4.6726, 4.6887, 4.8881



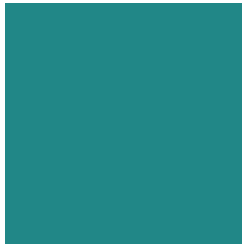
9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 13.6643, 19.4005, 25.9462 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 13.6643, 19.4005, 25.9462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

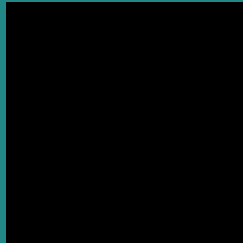
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6643, 19.4005, 25.9462

Background



This preview shows how black text looks on a background with the XYZ color 13.6643, 19.4005, 25.9462.

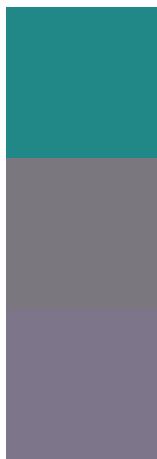


This preview shows how white text looks on a background with the XYZ color 13.6643, 19.4005,

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

13.6643, 19.4005, 25.9462

Protanopia

18.5084, 19.0769, 22.4454

Deuteranopia

19.5961, 19.1809, 27.0956



Tritanopia

14.4342, 19.5149, 29.3916

Trichromacy



Original Color

13.6643, 19.4005, 25.9462

Protanomaly

15.5125, 18.4259, 23.5078

Deuteranomaly

16.2087, 18.5256, 26.7663

Tritanomaly

14.0958, 19.3666, 28.1945

Monochromacy



Original Color

13.6643, 19.4005, 25.9462

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6222, 15.4140, 18.8329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6643, 19.4005, 25.9462 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(33, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(33, 135, 135)  
}
```

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(33, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 135, 135) }
```

Border

The CSS property to change the border of an element to XYZ 13.6643, 19.4005, 25.9462 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(33, 135, 135) }
```


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

```
.border{ border-color:rgb(33, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(33, 135,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6643, 19.4005, 25.9462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 135, 135) }
```

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

```
.background{ background-color: rgb(33, 135,  
135) }
```

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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