

Converting Colors

XYZ(13.1386, 19.6842, 23.6986)

Have a look what the booklet for
XYZ(13.1386, 19.6842, 23.6986)
contains.

XYZ(13.0556, 19.5600, 23.5094)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0556, 19.5600,
23.5094)**

Conversions

Conversions Part 1

Format	Color
Hex	108980
RGB	16, 137, 128
RGB Percent	6%, 54%, 50%
CMY	0.9372, 0.4627, 0.4980
CMYK	0.88, 0.00, 0.07, 0.46
HSL	176°, 79%, 30%
HSV	176°, 88%, 54%
XYZ	13.0556, 19.5600, 23.5094
YIQ	99.7950, -69.2270, -28.4510

Conversions

Conversions Part 2

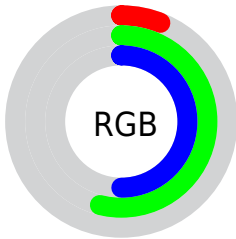
Format	Color
RYB	16, 79, 137
Decimal	1083776
CIELab	51.34, -32.26, -3.89
CIELCh	51, 32.493, 186.871
Yxy	19.5600, 0.2326, 0.3485
Android (android.graphics.Color)	4279273856 (0xFF108980)
YUV	99.7950, 13.9051, -73.4882
Hunter-Lab	44.2267, -24.7040, -0.5579

Details

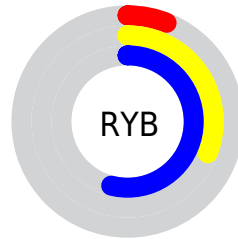
The XYZ color **13.0556, 19.5600, 23.5094** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.6779, 5.7597, 1.4693**, and the grayscale version is **12.0403, 12.6673, 13.7947**.

A 20% lighter version of the original color is **30.9958, 42.6725, 50.3190**, and **4.7391, 7.2201, 8.5410** is the 20% darker color. If you saturate the color by 10%, you get **12.8045, 19.4387, 23.1496**, and if you desaturate by 10%, it is **13.4368, 19.7491, 23.8797**.

Distribution



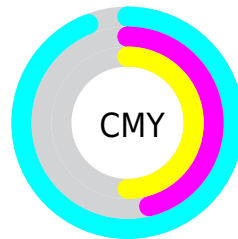
- Red (6%)
- Green (54%)
- Blue (50%)



- Red (6%)
- Yellow (31%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (7%)
- Black (46%)



- Cyan (94%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0556, 19.5600, 23.5094 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 13.0556, 19.5600, 23.5094 by changing the saturation by 10% instead.

■ 13.0556, 19.5600,
23.5094

■ 13.0556, 19.5600,
23.5094

■ 204.9041,
249.5231, 283.5369

■ 7.5441, 12.0756,
14.7613

■ 31.0041, 42.6782,
50.1622

■ 3.8540, 6.7952,
8.5073

■ 44.1718, 59.0809,
68.9039

■ 1.6199, 3.3343,
4.3288

■ 60.6223, 79.2251,
91.8139

■ 0.4053, 1.3087,
1.8074

■ 80.7210, 103.4952,
119.3107

■ 0.0000, 0.1479,
0.4328

■ 104.8331,
132.2757, 151.8129

■ 0.0000, 0.0000,
0.0000

■ 133.3241,

165.9509, 189.7389

166.5593,
204.9052, 233.5074

■ 13.0556, 19.5600,
23.5094

■ 13.0556, 19.5600,
23.5094

■ 12.8045, 19.4387,
23.1496

■ 13.4368, 19.7491,
23.8797

■ 12.7644, 19.4193,
23.0893

■ 13.9914, 20.0272,
24.2612

■ 14.7403, 20.4053,
24.6553

■ 15.7008, 20.8925,
25.0629

■ 16.8884, 21.4966,
25.4846

■ 18.3170, 22.2249,
25.9212

■ 19.9995, 23.0840,
26.3733

■ 21.9479, 24.0801,
26.8414

■ 24.1734, 25.2189,
27.3261

Harmonies

Analogous

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



13.4200, 19.5600, 15.0174



13.0556, 19.5600, 23.5094



14.0301, 19.5600, 33.9299

Triad

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



13.0556, 19.5600, 23.5094



22.5950, 19.5600, 39.0449



21.1532, 19.5600, 8.7221

Complementary

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



13.0556, 19.5600, 23.5094



10.6779, 5.7597, 1.4693

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.



24.0469, 19.5600, 12.2689



13.0556, 19.5600, 23.5094



24.9447, 19.5600, 29.1220

Square

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



13.0556, 19.5600, 23.5094



19.3483, 19.5600, 44.4413



25.5048, 19.5600, 19.2289



17.8541, 19.5600, 8.0201

Rectangle

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



13.0556, 19.5600, 23.5094



15.3833, 19.5600, 40.0570



25.5048, 19.5600, 19.2289



22.2167, 19.5600, 9.5579

Sweetspot

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



13.0562, 19.5607, 23.5099



33.2924, 40.0499, 46.5575



9.4679, 18.1502, 3.4949



7.2819, 8.8884, 10.3898



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.



13.0562, 19.5607, 23.5099



22.8317, 34.7648, 41.2095



8.1044, 8.6664, 24.9134



5.1570, 5.6823, 6.3480



11.8915, 18.0892, 21.5169



0.0812, 0.1211, 0.1546

Inverse Universe

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



10.6779, 5.7597, 1.4693



18.5495, 9.5540, 1.2567



12.3835, 9.3021, 1.6334



5.0470, 5.0542, 5.3359



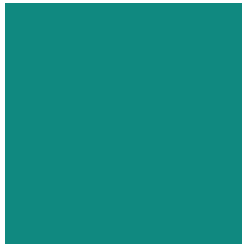
9.6639, 4.9757, 0.7343



0.0659, 0.0337, 0.0139

Previews

White Background



This preview shows how the XYZ color 13.0556, 19.5600, 23.5094 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 13.0556, 19.5600, 23.5094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

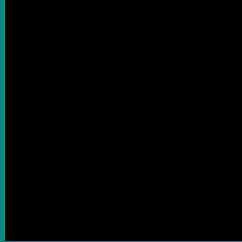
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0556, 19.5600, 23.5094

Background



This preview shows how black text looks on a background with the XYZ color 13.0556, 19.5600, 23.5094.



This preview shows how white text looks on a background with the XYZ color 13.0556, 19.5600,

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

13.0556, 19.5600, 23.5094

Protanopia

18.4793, 19.2917, 20.2025

Deuteranopia

19.6966, 19.2899, 24.5150



Tritanopia

14.3291, 19.4519, 29.7874

Trichromacy



Original Color

13.0556, 19.5600, 23.5094

Protanomaly

14.8485, 18.5152, 21.2035

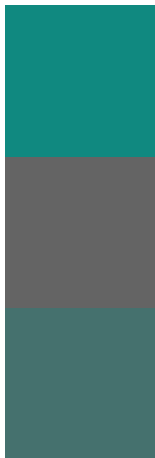
Deuteranomaly

15.4549, 18.3806, 24.2060

Tritanomaly

13.8031, 19.4389, 27.4507

Monochromacy



Original Color

13.0556, 19.5600, 23.5094

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.1738, 14.2013, 16.9040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0556, 19.5600, 23.5094 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(16, 137, 128)` looks like.

```
.text, #text, p{  
    color:rgb(16, 137, 128)  
}
```

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(16, 137, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 137, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.0556, 19.5600, 23.5094 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(16, 137, 128) }
```


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

```
.border{ border-color:rgb(16, 137, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 137, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 137, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 137, 128);  
box-shadow:4px 4px 4px 4px rgb(16, 137,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0556, 19.5600, 23.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 137, 128) }
```

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

```
.background{ background-color: rgb(16, 137,  
128) }
```

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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