

Converting Colors

XYZ(11.4406, 15.9232, 23.5257)

Have a look what the booklet for
XYZ(11.4406, 15.9232, 23.5257)
contains.

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Color

**XYZ(11.4656, 15.9598,
23.5953)**

Conversions

Conversions Part 1

Format	Color
Hex	177B82
RGB	23, 123, 130
RGB Percent	9%, 48%, 51%
CMY	0.9098, 0.5176, 0.4902
CMYK	0.82, 0.05, 0.00, 0.49
HSL	184°, 70%, 30%
HSV	184°, 82%, 51%
XYZ	11.4656, 15.9598, 23.5953
YIQ	93.8980, -61.8470, -19.0230

Conversions

Conversions Part 2

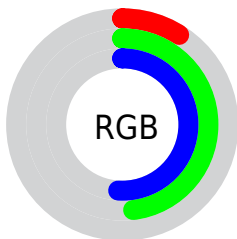
Format	Color
R_{YB}	23, 75, 130
Decimal	1538946
CIE _{Lab}	46.92, -24.16, -11.64
CIE _{LCh}	47, 26.821, 205.731
Yxy	15.9598, 0.2247, 0.3128
Android (android.graphics.Color)	4279729026 (0xFF177B82)
YUV	93.8980, 17.7983, -62.1775
Hunter-Lab	39.9497, -18.6824, -7.0533

Details

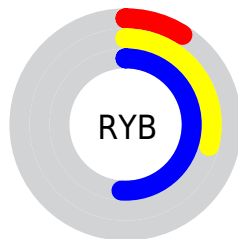
The XYZ color **11.4656, 15.9598, 23.5953** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.8253, 5.7368, 1.4006**, and the grayscale version is **10.5859, 11.1372, 12.1284**.

A 20% lighter version of the original color is **28.1924, 36.5934, 50.3771**, and **3.9340, 5.4916, 8.6372** is the 20% darker color. If you saturate the color by 10%, you get **11.1328, 15.6326, 23.5500**, and if you desaturate by 10%, it is **11.9464, 16.3653, 23.6485**.

Distribution



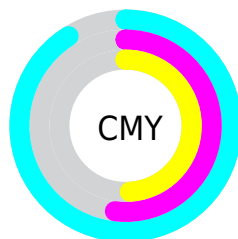
- Red (9%)
- Green (48%)
- Blue (51%)



- Red (9%)
- Yellow (29%)
- Blue (51%)



- Cyan (82%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)



- Cyan (91%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4656, 15.9598, 23.5953 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 11.4656, 15.9598, 23.5953 by changing the saturation by 10% instead.

■ 11.4656, 15.9598,
23.5953

■ 11.4656, 15.9598,
23.5953

194.6776,
229.1044, 283.9884

■ 6.4505, 9.4957,
14.8243

■ 28.1434, 36.5284,
50.3045

■ 3.1641, 5.0659,
8.5509

■ 40.5368, 51.4017,
69.0798

■ 1.2412, 2.2860,
4.3566

■ 56.1203, 69.8469,
92.0268

■ 0.1385, 0.7663,
1.8230

■ 75.2593, 92.2483,
119.5643

■ 0.0000, 0.0000,
0.4430

■ 98.3192, 118.9903,
152.1106

■ 0.0000, 0.0000,
0.0000

■ 125.6653,

150.4575, 190.0844

157.6630,
187.0340, 233.9041

■ 11.4656, 15.9598,
23.5953

■ 11.4656, 15.9598,
23.5953

■ 11.1328, 15.6326,
23.5500

■ 11.9464, 16.3653,
23.6485

■ 10.9272, 15.4075,
23.5174

■ 12.5925, 16.8570,
23.7094

■ 13.4204, 17.4439,
23.7790

■ 14.4444, 18.1331,
23.8581

■ 15.6771, 18.9314,
23.9472

■ 17.1302, 19.8446,
24.0469

■ 18.8145, 20.8785,
24.1577

■ 20.7401, 22.0381,
24.2800

■ 22.9165, 23.3284,
24.4143

Harmonies

Analogous

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



11.1094, 15.9598, 16.4357



11.4656, 15.9598, 23.5953



12.7737, 15.9598, 30.3534

Triad

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



11.4656, 15.9598, 23.5953



19.2007, 15.9598, 25.6921



15.5068, 15.9598, 7.4329

Complementary

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



11.4656, 15.9598, 23.5953



9.8253, 5.7368, 1.4006

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.



17.8471, 15.9598, 8.7541



11.4656, 15.9598, 23.5953



20.1144, 15.9598, 18.3547

Square

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



11.4656, 15.9598, 23.5953



17.2083, 15.9598, 31.7662



19.5954, 15.9598, 12.3610



13.2981, 15.9598, 8.1607

Rectangle

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



11.4656, 15.9598, 23.5953



14.0869, 15.9598, 33.1007



19.5954, 15.9598, 12.3610



16.3058, 15.9598, 7.6402

Sweetspot

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



11.4661, 15.9604, 23.5957



29.2874, 34.3993, 42.2886



8.5503, 16.2333, 3.8040



6.4592, 7.6794, 9.5602



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.4661, 15.9604, 23.5957



19.2418, 27.0989, 41.4090



6.6461, 6.3204, 21.9890



4.4231, 4.8403, 5.5144



10.4793, 14.7770, 22.5499



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0879, 6.7892, 19.3601



22.3507, 10.8424, 32.9927



12.3672, 10.8206, 2.2479



4.4864, 4.4077, 5.3659



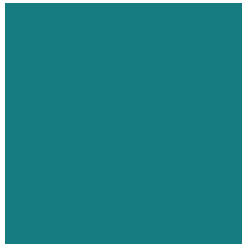
12.1664, 5.8863, 17.9979



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.4656, 15.9598, 23.5953 looks on a white 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

Black Background



This preview shows how the XYZ color 11.4656, 15.9598, 23.5953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

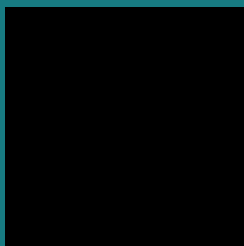
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4656, 15.9598, 23.5953

Background



This preview shows how black text looks on a background with the XYZ color 11.4656, 15.9598, 23.5953.

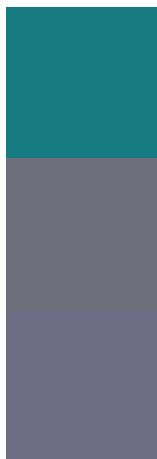


This preview shows how white text looks on a background with the XYZ color 11.4656, 15.9598,

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

11.4656, 15.9598, 23.5953

Protanopia

15.3955, 15.8082, 20.6522

Deuteranopia

16.0266, 15.7336, 24.3825



Tritanopia

11.7426, 16.0790, 24.6750

Trichromacy



Original Color

11.4656, 15.9598, 23.5953

Protanomaly

12.9743, 15.3618, 21.6833

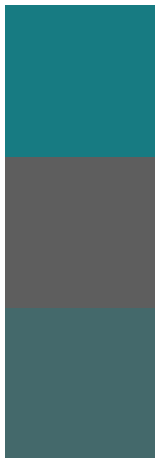
Deuteranomaly

13.2119, 15.0959, 24.0473

Tritanomaly

11.6487, 16.0385, 24.3116

Monochromacy



Original Color

11.4656, 15.9598, 23.5953

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0893, 12.3936, 15.7704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4656, 15.9598, 23.5953 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(23, 123, 130)` looks like.

```
.text, #text, p{  
    color:rgb(23, 123, 130)  
}
```

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(23, 123, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 123, 130) }
```

Border

The CSS property to change the border of an element to XYZ 11.4656, 15.9598, 23.5953 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(23, 123, 130) }
```


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

```
.border{ border-color:rgb(23, 123, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 123, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 123, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 123, 130);  
box-shadow:4px 4px 4px 4px rgb(23, 123,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4656, 15.9598, 23.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 123, 130) }
```

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

```
.background{ background-color: rgb(23, 123,  
130) }
```

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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