

Converting Colors

XYZ(15.7761, 21.8281, 33.5187)

Have a look what the booklet for
XYZ(15.7761, 21.8281, 33.5187)
contains.

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Color

**XYZ(15.7761, 21.8281,
33.5187)**

Conversions

Conversions Part 1

Format	Color
Hex	178E99
RGB	23, 142, 153
RGB Percent	9%, 56%, 60%
CMY	0.9098, 0.4431, 0.4000
CMYK	0.85, 0.07, 0.00, 0.40
HSL	185°, 74%, 35%
HSV	185°, 85%, 60%
XYZ	15.7761, 21.8281, 33.5187
YIQ	107.6730, -74.4550, -21.8070

Conversions

Conversions Part 2

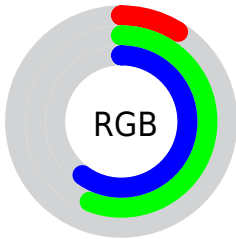
Format	Color
R_{YB}	23, 85, 153
Decimal	1543833
CIE _{Lab}	53.84, -26.27, -14.62
CIE _{LCh}	54, 30.064, 209.102
Yxy	21.8281, 0.2218, 0.3069
Android (android.graphics.Color)	4279733913 (0xFF178E99)
YUV	107.6730, 22.3462, -74.2582
Hunter-Lab	46.7206, -21.4870, -9.8320

Details

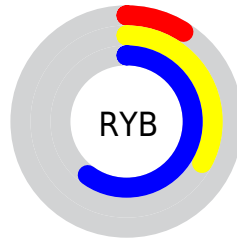
The XYZ color **15.7761, 21.8281, 33.5187** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8641, 7.9789, 1.6206**, and the grayscale version is **14.1181, 14.8533, 16.1752**.

A 20% lighter version of the original color is **35.7217, 46.4177, 66.1083**, and **6.1394, 8.4415, 13.8762** is the 20% darker color. If you saturate the color by 10%, you get **15.3282, 21.3134, 33.4434**, and if you desaturate by 10%, it is **16.4278, 22.4521, 33.6052**.

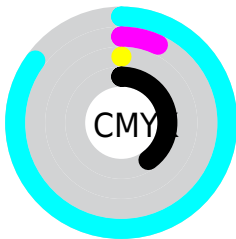
Distribution



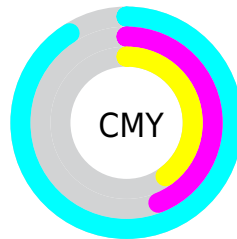
- Red (9%)
- Green (56%)
- Blue (60%)



- Red (9%)
- Yellow (33%)
- Blue (60%)



- Cyan (85%)
- Magenta (7%)
- Yellow (0%)
- Black (40%)



- Cyan (91%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7761, 21.8281, 33.5187 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 15.7761, 21.8281, 33.5187 by changing the saturation by 10% instead.

■ 15.7761, 21.8281,
33.5187

■ 15.7761, 21.8281,
33.5187

■ 221.3133,
261.6473, 332.6840

■ 9.4557, 13.7306,
22.2497

■ 35.7697, 46.4617,
66.3098

■ 5.0991, 7.9336,
13.8404

■ 50.1735, 63.7667,
88.6691

■ 2.3409, 4.0525,
7.8723

■ 68.0026, 84.9096,
115.5621

■ 0.8154, 1.7030,
3.9267

■ 89.6222, 110.2748,
147.4076

■ 0.0000, 0.4256,
1.5852

■ 115.3977,
140.2468, 184.6240

■ 0.0000, 0.0000,
0.2803

■ 145.6945,

■ 0.0000, 0.0000,

175.2100, 227.6298

0.0000

180.8780,
215.5487, 276.8436

■ 15.7761, 21.8281,
33.5187

■ 15.7761, 21.8281,
33.5187

■ 15.3282, 21.3134,
33.4434

■ 16.4278, 22.4521,
33.6052

■ 15.1360, 21.0722,
33.4070

■ 17.3135, 23.1996,
33.7028

■ 18.4591, 24.0845,
33.8132

■ 19.8868, 25.1182,
33.9375

■ 21.6161, 26.3107,
34.0765

■ 23.6650, 27.6713,
34.2312

■ 26.0499, 29.2085,
34.4022

■ 28.7862, 30.9303,
34.5903

■ 31.8883, 32.8441,
34.7962

Harmonies

Analogous

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



15.1320, 21.8281, 23.4891



15.7761, 21.8281, 33.5187



17.7160, 21.8281, 42.5479

Triad

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



15.7761, 21.8281, 33.5187



26.5506, 21.8281, 34.1303



20.8446, 21.8281, 10.0416

Complementary

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



15.7761, 21.8281, 33.5187



13.8641, 7.9789, 1.6206

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.



24.1053, 21.8281, 11.5309



15.7761, 21.8281, 33.5187



27.6031, 21.8281, 24.0473

Square

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



15.7761, 21.8281, 33.5187



23.9192, 21.8281, 42.9606



26.6656, 21.8281, 16.1180



17.8684, 21.8281, 11.3595

Rectangle

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



15.7761, 21.8281, 33.5187



19.5938, 21.8281, 45.8827



26.6656, 21.8281, 16.1180



21.9444, 21.8281, 10.2222

Sweetspot

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



15.7768, 21.8289, 33.5192



42.1699, 49.4176, 61.2879



12.0315, 23.0796, 5.3223



9.0396, 10.7330, 13.5127



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.7768, 21.8289, 33.5192



27.0396, 37.6038, 59.8051



8.7695, 7.8143, 31.1835



6.3399, 6.9371, 7.9338



12.5213, 17.4393, 27.6139



0.1986, 0.2835, 0.4166

Inverse Universe

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



18.3263, 9.3387, 26.4287



31.9775, 15.5088, 45.6024



17.7384, 15.7274, 2.9120



6.4387, 6.3146, 7.6902



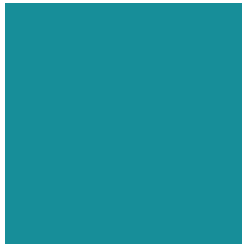
14.7790, 7.1658, 21.1588



0.2267, 0.1094, 0.3465

Previews

White Background



This preview shows how the XYZ color 15.7761, 21.8281, 33.5187 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 15.7761, 21.8281, 33.5187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

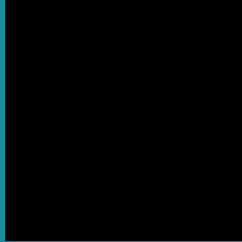
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7761, 21.8281, 33.5187

Background



This preview shows how black text looks on a background with the XYZ color 15.7761, 21.8281, 33.5187.

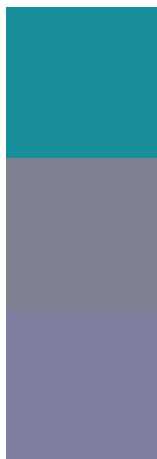


This preview shows how white text looks on a background with the XYZ color 15.7761, 21.8281,

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

15.7761, 21.8281, 33.5187

Protanopia

21.1515, 21.5975, 29.0405

Deuteranopia

22.0236, 21.5372, 34.8946



Tritanopia

15.7995, 21.8401, 33.5198

Trichromacy



Original Color

15.7761, 21.8281, 33.5187

Protanomaly

17.6375, 20.7330, 30.6760

Deuteranomaly

18.2369, 20.7567, 34.4978

Tritanomaly

15.7995, 21.8401, 33.5198

Monochromacy



Original Color

15.7761, 21.8281, 33.5187

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4151, 16.4660, 21.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7761, 21.8281, 33.5187 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, 142, 153)` looks like.

```
.text, #text, p{  
    color:rgb(23, 142, 153)  
}
```

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, 142, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 142, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.7761, 21.8281, 33.5187 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, 142, 153) }
```


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

```
.border{ border-color:rgb(23, 142, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 142, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 142, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 142, 153);  
box-shadow:4px 4px 4px 4px rgb(23, 142,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7761, 21.8281, 33.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 142, 153) }
```

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

```
.background{ background-color: rgb(23, 142,  
153) }
```

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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