

Converting Colors

XYZ(23.8174, 36.1528, 41.6397)

Have a look what the booklet for
XYZ(23.8174, 36.1528, 41.6397)
contains.

XYZ(23.7602, 35.9831, 41.7695)	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(23.7602, 35.9831,
41.7695)**

Conversions

Conversions Part 1

Format	Color
Hex	17B5A6
RGB	23, 181, 166
RGB Percent	9%, 71%, 65%
CMY	0.9097, 0.2902, 0.3490
CMYK	0.87, 0.00, 0.08, 0.29
HSL	174°, 77%, 40%
HSV	174°, 87%, 71%
XYZ	23.7602, 35.9831, 41.7695
YIQ	132.0480, -89.3530, -38.1610

Conversions

Conversions Part 2

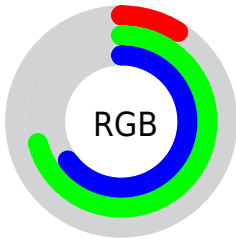
Format	Color
RYB	23, 106, 181
Decimal	1553830
CIELab	66.51, -40.66, -3.07
CIELCh	67, 40.776, 184.315
Yxy	35.9831, 0.2341, 0.3545
Android (android.graphics.Color)	4279743910 (0xFF17B5A6)
YUV	132.0480, 16.7383, -95.6351
Hunter-Lab	59.9859, -34.2722, 0.7052

Details

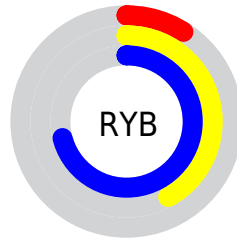
The XYZ color **23.7602, 35.9831, 41.7695** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.7136, 10.5777, 2.8380**, and the grayscale version is **21.9164, 23.0578, 25.1099**.

A 20% lighter version of the original color is **49.2192, 69.2531, 79.1797**, and **10.6266, 16.3936, 18.5238** is the 20% darker color. If you saturate the color by 10%, you get **23.3124, 35.7712, 40.9317**, and if you desaturate by 10%, it is **24.4854, 36.3395, 42.6329**.

Distribution



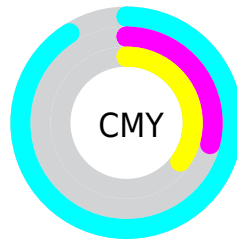
- Red (9%)
- Green (71%)
- Blue (65%)



- Red (9%)
- Yellow (42%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (8%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7602, 35.9831, 41.7695 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 23.7602, 35.9831, 41.7695 by changing the saturation by 10% instead.


 23.7602, 35.9831,
41.7695


 23.7602, 35.9831,
41.7695


264.0689,
328.8867, 369.2980


 15.2796, 24.4211,
28.5966


 49.0961, 69.0060,
79.1170


 9.1034, 15.6463,
18.5329


 66.6822, 91.2357,
104.1287


 4.8664, 9.2742,
11.1599


 88.0341, 117.7901,
133.9237

 2.2030, 4.9205,
6.0590

 113.5172,
149.0536, 168.9206

 0.7443, 2.2007,
2.8116

 143.4969,
185.4107, 209.5379

 0.0000, 0.7204,
0.9993

178.3385,

 0.0000, 0.0000,

227.2456, 256.1943

0.0000

218.4074,
274.9428, 309.3081

■ 23.7602, 35.9831,
41.7695

■ 23.7602, 35.9831,
41.7695

■ 23.3124, 35.7712,
40.9317

■ 24.4854, 36.3395,
42.6329

■ 23.2086, 35.7226,
40.7066

■ 25.5437, 36.8665,
43.5221

■ 26.9765, 37.5862,
44.4399

■ 28.8182, 38.5166,
45.3879

■ 31.0996, 39.6734,
46.3677

■ 33.8483, 41.0708,
47.3806

■ 37.0898, 42.7220,
48.4278

■ 40.8475, 44.6391,
49.5105

■ 45.1436, 46.8335,
50.6296

Harmonies

Analogous

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



24.6569, 35.9831, 26.3159



23.7602, 35.9831, 41.7695



25.3754, 35.9831, 61.4073

Triad

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



23.7602, 35.9831, 41.7695



41.2707, 35.9831, 74.1151



39.5573, 35.9831, 15.9849

Complementary

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



23.7602, 35.9831, 41.7695



19.7136, 10.5777, 2.8380

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.



44.8666, 35.9831, 23.0900



23.7602, 35.9831, 41.7695



45.9357, 35.9831, 55.6714

Square

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



23.7602, 35.9831, 41.7695



35.0936, 35.9831, 83.2931



47.3239, 35.9831, 36.6988



33.3233, 35.9831, 14.2713

Rectangle

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



23.7602, 35.9831, 41.7695



27.7873, 35.9831, 73.4106



47.3239, 35.9831, 36.6988



41.5324, 35.9831, 17.6908

Sweetspot

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



23.7612, 35.9845, 41.7704



61.0775, 73.7875, 85.0116



17.5090, 33.5386, 6.3623



12.8128, 15.7506, 18.2389



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.7612, 35.9845, 41.7704



41.5185, 63.9577, 72.6583



15.1505, 16.4306, 46.0905



8.7072, 9.6174, 10.7176



16.0129, 24.6311, 28.1346



0.5139, 0.7790, 0.9380

Inverse Universe

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



19.7136, 10.5777, 2.8380



34.2765, 17.6532, 2.3739



22.5563, 16.5755, 2.8221



8.5281, 8.5179, 9.0132



13.2198, 6.8055, 1.0513



0.4266, 0.2184, 0.0892

Previews

White Background



This preview shows how the XYZ color 23.7602, 35.9831, 41.7695 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.7602, 35.9831, 41.7695 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 ✓ Pass

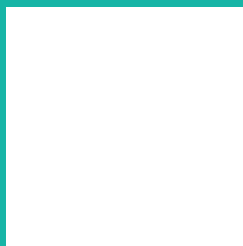
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7602, 35.9831, 41.7695

Background



This preview shows how black text looks on a background with the XYZ color 23.7602, 35.9831, 41.7695.

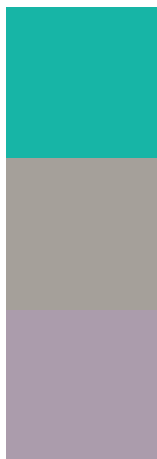


This preview shows how white text looks on a background with the XYZ color 23.7602, 35.9831,

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

23.7602, 35.9831, 41.7695

Protanopia

33.9206, 35.4740, 35.6312

Deuteranopia

36.1294, 35.4134, 43.9610



Tritanopia

26.5032, 35.9030, 55.4023

Trichromacy



Original Color

23.7602, 35.9831, 41.7695



Protanomaly

26.9842, 33.9846, 37.4852



Deuteranomaly

28.0470, 33.5945, 43.0364



Tritanomaly

25.3427, 35.7108, 50.3569

Monochromacy



Original Color

23.7602, 35.9831, 41.7695



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.3540, 26.1016, 30.3509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7602, 35.9831, 41.7695 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, 181, 166)` looks like.

```
.text, #text, p{  
    color:rgb(23, 181, 166)  
}
```

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, 181, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 181, 166) }
```

Border

The CSS property to change the border of an element to XYZ 23.7602, 35.9831, 41.7695 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, 181, 166) }
```


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

```
.border{ border-color:rgb(23, 181, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 181, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 181, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 181, 166);  
box-shadow:4px 4px 4px 4px rgb(23, 181,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7602, 35.9831, 41.7695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 181, 166) }
```

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

```
.background{ background-color: rgb(23, 181,  
166) }
```

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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