

Converting Colors

XYZ(17.6399, 23.4505, 31.6141)

Have a look what the booklet for
XYZ(17.6399, 23.4505, 31.6141)
contains.

XYZ(17.6507, 23.5127, 31.6251)	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(17.6507, 23.5127,
31.6251)**

Conversions

Conversions Part 1

Format	Color
Hex	419194
RGB	65, 145, 148
RGB Percent	25%, 57%, 58%
CMY	0.7451, 0.4314, 0.4196
CMYK	0.56, 0.02, 0.00, 0.42
HSL	182°, 39%, 42%
HSV	182°, 56%, 58%
XYZ	17.6507, 23.5127, 31.6251
YIQ	121.4220, -48.6430, -16.0270

Conversions

Conversions Part 2

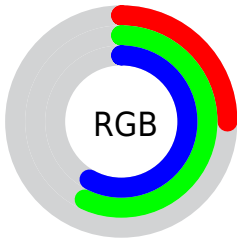
Format	Color
R _{YB}	65, 106, 148
Decimal	4297108
CIE _{Lab}	55.60, -23.34, -9.01
CIE _{LCh}	56, 25.021, 201.102
Y _{xy}	23.5127, 0.2425, 0.3230
Android (android.graphics.Color)	4282487188 (0xFF419194)
Y _{UV}	121.4220, 13.1030, -49.4821
Hunter-Lab	48.4899, -19.8819, -4.7260




Details

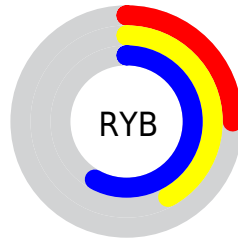
The XYZ color **17.6507, 23.5127, 31.6251** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2346, 10.8124, 6.2858**, and the grayscale version is **18.2814, 19.2335, 20.9453**.




A 20% lighter version of the original color is **38.9693, 49.1761, 63.3151**, and **6.1604, 8.8685, 12.6964** is the 20% darker color. If you saturate the color by 10%, you get **16.7151, 22.9099, 31.5585**, and if you desaturate by 10%, it is **18.8448, 24.2504, 31.7050**.

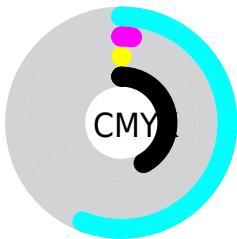
Distribution







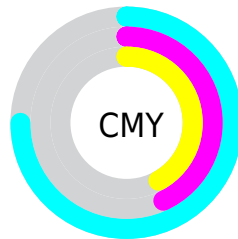
-  Red (25%)
-  Green (57%)
-  Blue (58%)






-  Red (25%)
-  Yellow (42%)
-  Blue (58%)



-  Cyan (56%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (42%)



-  Cyan (75%)
-  Magenta (43%)
-  Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6507, 23.5127, 31.6251 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 17.6507, 23.5127, 31.6251 by changing the saturation by 10% instead.

■ 17.6507, 23.5127,
31.6251

■ 17.6507, 23.5127,
31.6251

231.9786,
270.3475, 323.8478

■ 10.7977, 14.9725,
20.8129

■ 38.9760, 49.2338,
63.3140

■ 5.9972, 8.8001,
12.7974

■ 54.1790, 67.1836,
85.0277

■ 2.8840, 4.6110,
7.1601

■ 72.8959, 89.0386,
111.2123

■ 1.0927, 2.0209,
3.4825

■ 95.4923, 115.1834,
142.2863

■ 0.0190, 0.6196,
1.3459

■ 122.3334,
146.0023, 178.6684

■ 0.0000, 0.0000,
0.0990

153.7846,

■ 0.0000, 0.0000,

181.8797, 220.7770

0.0000

190.2112,
223.1999, 269.0306

■ 17.6507, 23.5127,
31.6251

■ 17.6507, 23.5127,
31.6251

■ 16.7151, 22.9099,
31.5585

■ 18.8448, 24.2504,
31.7050

■ 16.0154, 22.4287,
31.5025

■ 20.3137, 25.1298,
31.7973

■ 15.5286, 22.0579,
31.4566

■ 22.0747, 26.1604,
31.9034

■ 15.2200, 21.7794,
31.4191

■ 24.1430, 27.3499,
32.0240

■ 15.1159, 21.6792,
31.4052

■ 26.5329, 28.7059,
32.1598

■ 29.2578, 30.2351,
32.3113

■ 32.3303, 31.9441,
32.4792

■ 35.7623, 33.8390,
32.6641

■ 39.5653, 35.9256,
32.8664

Harmonies

Analogous

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



17.3964, 23.5127, 23.2680



17.6507, 23.5127, 31.6251



19.1056, 23.5127, 39.7290

Triad

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



17.6507, 23.5127, 31.6251



26.8512, 23.5127, 36.6741



23.1995, 23.5127, 13.0953

Complementary

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



17.6507, 23.5127, 31.6251



15.2346, 10.8124, 6.2858

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.



25.9382, 23.5127, 15.2962



17.6507, 23.5127, 31.6251



28.1602, 23.5127, 28.0857

Square

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



17.6507, 23.5127, 31.6251



24.3628, 23.5127, 43.0450



27.8127, 23.5127, 20.3956



20.4477, 23.5127, 13.6508

Rectangle

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



17.6507, 23.5127, 31.6251



20.6333, 23.5127, 43.3351



27.8127, 23.5127, 20.3956



24.1554, 23.5127, 13.5166

Sweetspot

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



17.6514, 23.5136, 31.6257



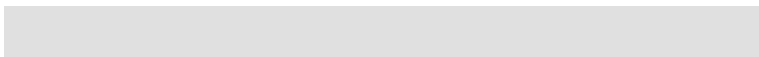
42.1073, 47.9762, 56.4756



13.8068, 22.7187, 9.0898



9.4568, 10.8629, 12.8832



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.6514, 23.5136, 31.6257



29.1784, 40.2127, 55.6586



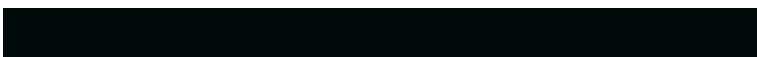
12.4495, 13.1098, 29.8917



5.9463, 6.5267, 7.4161



12.9156, 18.5260, 26.8262



0.1626, 0.2358, 0.3298

Inverse Universe

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



19.2145, 12.1216, 28.1159



32.2615, 18.2479, 48.6226



18.6646, 17.6726, 7.4292



6.0264, 5.9056, 7.2449



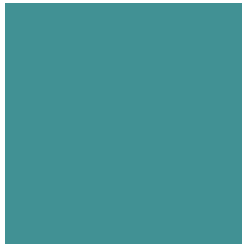
14.6463, 7.0636, 22.6821



0.1815, 0.0874, 0.2896

Previews

White Background



This preview shows how the XYZ color 17.6507, 23.5127, 31.6251 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 17.6507, 23.5127, 31.6251 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

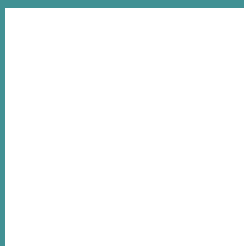
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6507, 23.5127, 31.6251

Background



This preview shows how black text looks on a background with the XYZ color 17.6507, 23.5127, 31.6251.



This preview shows how white text looks on a background with the XYZ color 17.6507, 23.5127,

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

17.6507, 23.5127, 31.6251

Protanopia

22.6578, 23.3825, 28.1300

Deuteranopia

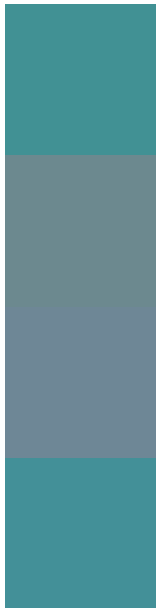
23.5895, 23.1691, 32.5069



Tritanopia

18.2735, 23.5420, 34.5913

Trichromacy



Original Color

17.6507, 23.5127, 31.6251

Protanomaly

20.0879, 23.0626, 29.3794

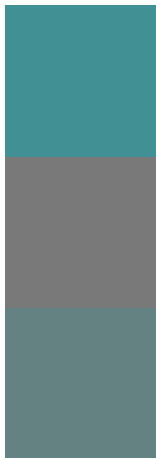
Deuteranomaly

20.5994, 22.8450, 32.1780

Tritanomaly

17.9555, 23.4068, 33.2774

Monochromacy



Original Color

17.6507, 23.5127, 31.6251

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4462, 20.3707, 24.4851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6507, 23.5127, 31.6251 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(65, 145, 148)` looks like.

```
.text, #text, p{  
    color:rgb(65, 145, 148)  
}
```

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(65, 145, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 145, 148) }
```

Border

The CSS property to change the border of an element to XYZ 17.6507, 23.5127, 31.6251 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(65, 145, 148) }
```


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

```
.border{ border-color:rgb(65, 145, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 145, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 145, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 145, 148);  
box-shadow:4px 4px 4px 4px rgb(65, 145,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6507, 23.5127, 31.6251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 145, 148) }
```

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

```
.background{ background-color: rgb(65, 145,  
148) }
```

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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