

Converting Colors

XYZ(16.7787, 23.7513, 31.7182)

Have a look what the booklet for
XYZ(16.7787, 23.7513, 31.7182)
contains.

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Color

**XYZ(16.7719, 23.7493,
31.7171)**

Conversions

Conversions Part 1

Format	Color
Hex	279494
RGB	39, 148, 148
RGB Percent	15%, 58%, 58%
CMY	0.8470, 0.4196, 0.4196
CMYK	0.74, 0.00, 0.00, 0.42
HSL	180°, 58%, 37%
HSV	180°, 74%, 58%
XYZ	16.7719, 23.7493, 31.7171
YIQ	115.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

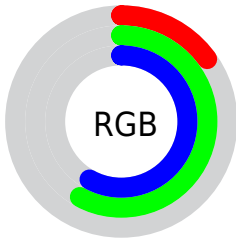
Format	Color
R_{YB}	39, 94, 148
Decimal	2593940
CIE _{Lab}	55.84, -29.19, -8.72
CIE _{LCh}	56, 30.466, 196.639
Yxy	23.7493, 0.2322, 0.3288
Android (android.graphics.Color)	4280784020 (0xFF279494)
YUV	115.4090, 16.0674, -67.0107
Hunter-Lab	48.7333, -23.8511, -4.4745

Details

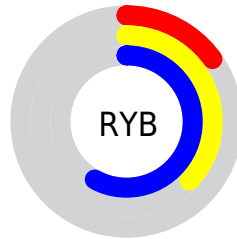
The XYZ color **16.7719, 23.7493, 31.7171** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3053, 7.8941, 2.7426**, and the grayscale version is **16.3876, 17.2411, 18.7755**.

A 20% lighter version of the original color is **37.6101, 49.8597, 63.5187**, and **6.4324, 9.4125, 12.7870** is the 20% darker color. If you saturate the color by 10%, you get **16.3173, 23.5155, 31.6963**, and if you desaturate by 10%, it is **17.4467, 24.0977, 31.7493**.

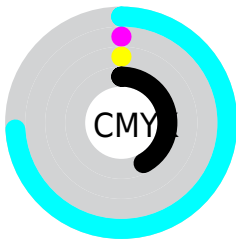
Distribution



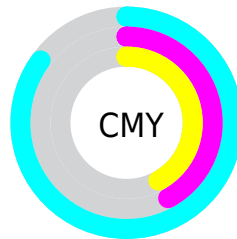
- Red (15%)
- Green (58%)
- Blue (58%)



- Red (15%)
- Yellow (37%)
- Blue (58%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (42%)



- Cyan (85%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7719, 23.7493, 31.7171 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 16.7719, 23.7493, 31.7171 by changing the saturation by 10% instead.

■ 16.7719, 23.7493,
31.7171

■ 16.7719, 23.7493,
31.7171

■ 227.0364,
271.5506, 324.2814

■ 10.1663, 15.1478,
20.8825

■ 37.4799, 49.6208,
63.4601

■ 5.5725, 8.9232,
12.8477

■ 52.3130, 67.6595,
85.2055

■ 2.6251, 4.6911,
7.1943

■ 70.6193, 89.6128,
111.4250

■ 0.9587, 2.0672,
3.5036

■ 92.7642, 115.8649,
142.5370

■ 0.0000, 0.6461,
1.3572

■ 119.1130,
146.8004, 178.9601

■ 0.0000, 0.0000,
0.1080

■ 150.0310,

■ 0.0000, 0.0000,

182.8035, 221.1129

0.0000

185.8837,
224.2588, 269.4138

■ 16.7719, 23.7493,
31.7171

■ 16.7719, 23.7493,
31.7171

■ 16.3173, 23.5155,
31.6963

■ 17.4467, 24.0977,
31.7493

■ 16.0534, 23.3794,
31.6839

■ 18.3622, 24.5696,
31.7922

■ 15.9356, 23.3187,
31.6783

■ 19.5390, 25.1763,
31.8474

■ 20.9951, 25.9270,
31.9156

■ 22.7468, 26.8300,
31.9976

■ 24.8090, 27.8931,
32.0942

■ 27.1957, 29.1235,
32.2060

■ 29.9202, 30.5280,
32.3336

■ 32.9949, 32.1131,
32.4775

Harmonies

Analogous

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



16.6911, 23.7493, 21.6953



16.7719, 23.7493, 31.7171



18.3003, 23.7493, 42.3619

Triad

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



16.7719, 23.7493, 31.7171



27.7722, 23.7493, 41.2980



24.1479, 23.7493, 11.3818

Complementary

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



16.7719, 23.7493, 31.7171



13.3053, 7.8941, 2.7426

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.



27.4638, 23.7493, 14.3184



16.7719, 23.7493, 31.7171



29.6961, 23.7493, 30.5239

Square

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



16.7719, 23.7493, 31.7171



24.5352, 23.7493, 48.7899



29.5778, 23.7493, 20.7706



20.7183, 23.7493, 11.5461

Rectangle

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



16.7719, 23.7493, 31.7171



20.0327, 23.7493, 47.6308



29.5778, 23.7493, 20.7706



25.3194, 23.7493, 11.9989

Sweetspot

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



16.7726, 23.7502, 31.7177



40.5432, 47.5494, 56.4754



11.8640, 21.7949, 5.5016



9.0691, 10.7586, 12.8834



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.



16.7726, 23.7502, 31.7177



28.4689, 41.3248, 55.9094



10.3036, 10.8120, 29.5619



5.9641, 6.5622, 7.4220



13.6111, 19.9172, 27.0574



0.1666, 0.2438, 0.3312

Inverse Universe

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



13.3053, 7.8941, 2.7426



22.0084, 11.7813, 1.9221



16.3797, 14.0430, 3.7673



5.8008, 5.8154, 6.0572



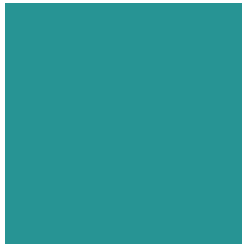
10.4317, 5.3777, 0.4882



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 16.7719, 23.7493, 31.7171 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 16.7719, 23.7493, 31.7171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

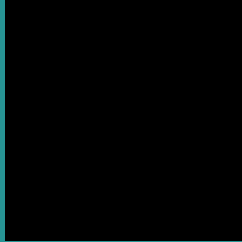
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7719, 23.7493, 31.7171

Background



This preview shows how black text looks on a background with the XYZ color 16.7719, 23.7493, 31.7171.

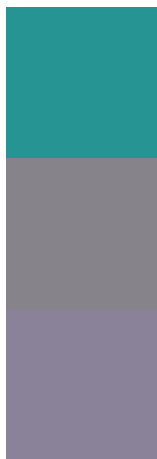


This preview shows how white text looks on a background with the XYZ color 16.7719, 23.7493,

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

16.7719, 23.7493, 31.7171

Protanopia

22.6702, 23.4058, 27.3677

Deuteranopia

23.9667, 23.5506, 32.9883



Tritanopia

17.5772, 23.6072, 35.9780

Trichromacy



Original Color

16.7719, 23.7493, 31.7171

Protanomaly

19.1166, 22.7826, 28.9811

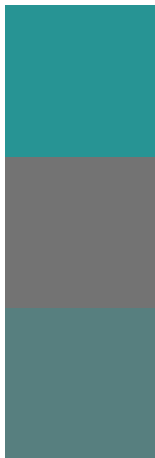
Deuteranomaly

19.8984, 22.8924, 32.6481

Tritanomaly

17.2627, 23.7141, 34.2393

Monochromacy



Original Color

16.7719, 23.7493, 31.7171

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3506, 18.7373, 22.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7719, 23.7493, 31.7171 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(39, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(39, 148, 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(39, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 148, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.7719, 23.7493, 31.7171 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(39, 148, 148) }
```


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

```
.border{ border-color:rgb(39, 148, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 148, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(39, 148,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7719, 23.7493, 31.7171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 148, 148) }
```

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

```
.background{ background-color: rgb(39, 148,  
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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