

Converting Colors

XYZ(10.2163, 15.1532, 12.8309)

Have a look what the booklet for
XYZ(10.2163, 15.1532, 12.8309)
contains.

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Color

**XYZ(10.2293, 15.1951,
12.7497)**

Conversions

Conversions Part 1

Format	Color
Hex	34795D
RGB	52, 121, 93
RGB Percent	20%, 47%, 36%
CMY	0.7961, 0.5255, 0.6353
CMYK	0.57, 0.00, 0.23, 0.53
HSL	156°, 40%, 34%
HSV	156°, 57%, 47%
XYZ	10.2293, 15.1951, 12.7497
YIQ	97.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

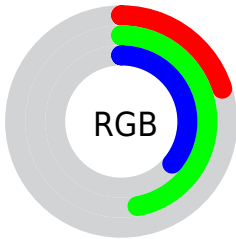
Format	Color
RYB	52, 95, 121
Decimal	3438941
CIELab	45.90, -28.98, 8.88
CIELCh	46, 30.308, 162.966
Yxy	15.1951, 0.2680, 0.3980
Android (android.graphics.Color)	4281629021 (0xFF34795D)
YUV	97.1770, -2.0593, -39.6202
Hunter-Lab	38.9809, -21.3749, 7.8943

Details

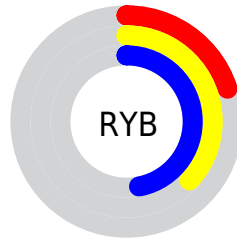
The XYZ color **10.2293, 15.1951, 12.7497** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.5616, 7.1004, 8.4038**, and the grayscale version is **11.4167, 12.0112, 13.0802**.

A 20% lighter version of the original color is **25.9197, 35.2585, 31.4261**, and **2.8305, 4.8400, 3.4743** is the 20% darker color. If you saturate the color by 10%, you get **9.4741, 14.8305, 11.6154**, and if you desaturate by 10%, it is **11.1590, 15.6488, 13.9657**.

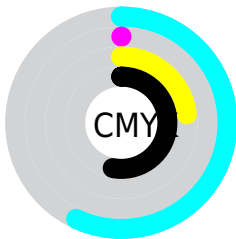
Distribution



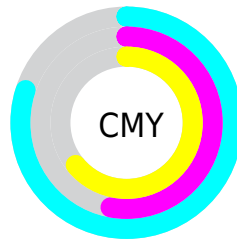
- Red (20%)
- Green (47%)
- Blue (36%)



- Red (20%)
- Yellow (37%)
- Blue (47%)



- Cyan (57%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)



- Cyan (80%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2293, 15.1951, 12.7497 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 10.2293, 15.1951, 12.7497 by changing the saturation by 10% instead.

10.2293, 15.1951,
12.7497

10.2293, 15.1951,
12.7497

186.3205,
224.5441, 220.4584

5.6147, 8.9564,
7.1277

25.8717, 35.1951,
31.5379

2.6506, 4.7128,
3.4624

37.6302, 49.7252,
45.5413

0.9718, 2.0797,
1.3353

52.5006, 67.7879,
63.1755

0.0000, 0.6532,
0.0905

70.8485, 89.7676,
84.8591

0.0000, 0.0000,
0.0000

93.0390, 116.0486,
111.0107

119.4376,

147.0155, 142.0487

150.4097,
183.0525, 178.3918

■ 10.2293, 15.1951,
12.7497

■ 10.2293, 15.1951,
12.7497

■ 9.4741, 14.8305,
11.6154

■ 11.1590, 15.6488,
13.9657

■ 8.8794, 14.5467,
10.5599

■ 12.2734, 16.1958,
15.2643

■ 8.4311, 14.3368,
9.5814

■ 13.5833, 16.8418,
16.6476

■ 8.0973, 14.1843,
8.6771

■ 15.0983, 17.5918,
18.1173

■ 8.0040, 14.1418,
8.4213

■ 16.8274, 18.4505,
19.6750

■ 18.7788, 19.4221,
21.3223

■ 20.9607, 20.5106,
23.0608

■ 23.3805, 21.7201,
24.8920

■ 26.0455, 23.0540,
26.8173

Harmonies

Analogous

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



11.3411, 15.1951, 8.2254



10.2293, 15.1951, 12.7497



10.1576, 15.1951, 19.9132

Triad

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



10.2293, 15.1951, 12.7497



15.5751, 15.1951, 34.4329



18.3517, 15.1951, 8.6775

Complementary

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



10.2293, 15.1951, 12.7497



10.5616, 7.1004, 8.4038

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.



19.7892, 15.1951, 13.5796



10.2293, 15.1951, 12.7497



18.0633, 15.1951, 29.1512

Square

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



10.2293, 15.1951, 12.7497



13.0481, 15.1951, 34.0124



19.6779, 15.1951, 21.0271



15.9328, 15.1951, 6.3960

Rectangle

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



10.2293, 15.1951, 12.7497



10.6942, 15.1951, 25.4609



19.6779, 15.1951, 21.0271



18.9778, 15.1951, 9.9992

Sweetspot

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



10.2297, 15.1957, 12.7500



26.9202, 31.4436, 32.3336



10.8296, 15.6616, 5.7012



6.0554, 7.1401, 7.2989



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.2297, 15.1957, 12.7500



16.6529, 26.4068, 20.2802



11.0271, 14.4297, 20.2939



4.0415, 4.4862, 4.7521



8.5716, 15.1523, 8.9947



40.4572, 72.1059, 40.6410

Inverse Universe

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



10.5616, 7.1004, 8.4038



17.3166, 10.4235, 11.7407



10.0059, 7.3142, 4.1334



4.0595, 4.0395, 4.5108



9.0412, 4.5926, 3.5080



42.7286, 21.7478, 14.6326

Previews

White Background



This preview shows how the XYZ color 10.2293, 15.1951, 12.7497 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 10.2293, 15.1951, 12.7497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

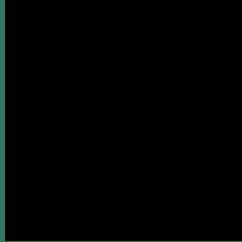
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2293, 15.1951, 12.7497

Background



This preview shows how black text looks on a background with the XYZ color 10.2293, 15.1951, 12.7497.



This preview shows how white text looks on a background with the XYZ color 10.2293, 15.1951,

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

10.2293, 15.1951, 12.7497

Protanopia

14.1531, 15.0581, 11.1774

Deuteranopia

15.2764, 14.9747, 13.3945



Tritanopia

12.1771, 15.2857, 22.0473

Trichromacy



Original Color

10.2293, 15.1951, 12.7497

Protanomaly

12.1219, 14.8068, 11.6703

Deuteranomaly

12.6170, 14.5378, 13.2074

Tritanomaly

11.3193, 15.1016, 18.2379

Monochromacy



Original Color

10.2293, 15.1951, 12.7497

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.6587, 12.9019, 12.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2293, 15.1951, 12.7497 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(52, 121, 93)` looks like.

```
.text, #text, p{  
    color:rgb(52, 121, 93)  
}
```

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(52, 121, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 121, 93) }
```

Border

The CSS property to change the border of an element to XYZ 10.2293, 15.1951, 12.7497 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(52, 121, 93) }
```


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

```
.border{ border-color:rgb(52, 121, 93) }
```

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

Here you see how a box with a 4 pixel rgb(52, 121, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 121, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 121, 93);  
box-shadow:4px 4px 4px 4px rgb(52, 121,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2293, 15.1951, 12.7497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 121, 93) }
```

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

```
.background{ background-color: rgb(52, 121,  
93) }
```

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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