

Converting Colors

XYZ(25.0513, 35.0581, 42.3509)

Have a look what the booklet for
XYZ(25.0513, 35.0581, 42.3509)
contains.

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Color

**XYZ(25.1190, 35.1799,
42.5123)**

Conversions

Conversions Part 1

Format	Color
Hex	46B0A8
RGB	70, 176, 168
RGB Percent	27%, 69%, 66%
CMY	0.7255, 0.3098, 0.3412
CMYK	0.60, 0.00, 0.05, 0.31
HSL	175°, 43%, 48%
HSV	175°, 60%, 69%
XYZ	25.1190, 35.1799, 42.5123
YIQ	143.3940, -60.6080, -24.9600

Conversions

Conversions Part 2

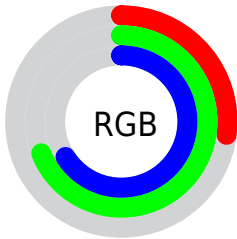
Format	Color
RYB	70, 125, 176
Decimal	4632744
CIELab	65.89, -32.10, -4.99
CIElCh	66, 32.487, 188.837
Yxy	35.1799, 0.2443, 0.3422
Android (android.graphics.Color)	4282822824 (0xFF46B0A8)
YUV	143.3940, 12.1308, -64.3665
Hunter-Lab	59.3126, -28.2021, -0.9772

Details

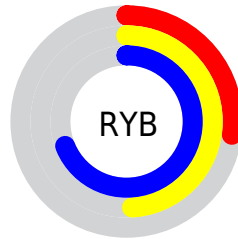
The XYZ color **25.1190, 35.1799, 42.5123** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.4710, 14.1615, 8.8107**, and the grayscale version is **26.2373, 27.6036, 30.0604**.

A 20% lighter version of the original color is **51.2292, 67.7081, 80.1809**, and **10.2353, 15.4269, 18.9612** is the 20% darker color. If you saturate the color by 10%, you get **23.9078, 34.5706, 41.8135**, and if you desaturate by 10%, it is **26.7056, 35.9842, 43.2368**.

Distribution



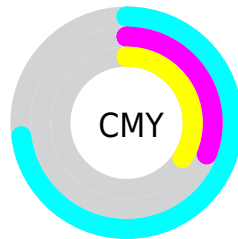
- Red (27%)
- Green (69%)
- Blue (66%)



- Red (27%)
- Yellow (49%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (73%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1190, 35.1799, 42.5123 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 25.1190, 35.1799, 42.5123 by changing the saturation by 10% instead.


 25.1190, 35.1799,
42.5123


 25.1190, 35.1799,
42.5123

270.7668,
325.3617, 372.4644


 16.2949, 23.8015,
29.1741

 51.2917, 67.7644,
80.2528


 9.8253, 15.1864,
18.9658


 69.3711, 89.7392,
105.4922


 5.3446, 8.9503,
11.4690


 91.2663, 116.0150,
135.5357

 2.4877, 4.7088,
6.2651

 117.3426,
146.9761, 170.8019

 0.8890, 2.0774,
2.9356

 147.9655,
183.0069, 211.7094

 0.0000, 0.6519,
1.0618

183.5002,

 0.0000, 0.0000,

224.4919, 258.6766

0.0000

224.3122,
271.8153, 312.1220

■ 25.1190, 35.1799,
42.5123

■ 25.1190, 35.1799,
42.5123

■ 23.9078, 34.5706,
41.8135

■ 26.7056, 35.9842,
43.2368

■ 23.0353, 34.1349,
41.1363

■ 28.6939, 36.9948,
43.9860

■ 22.4630, 33.8537,
40.4798

■ 31.1117, 38.2265,
44.7619

■ 22.1114, 33.6860,
39.8541

■ 33.9831, 39.6919,
45.5657

■ 37.3306, 41.4027,
46.3985

■ 41.1753, 43.3696,
47.2612

■ 45.5369, 45.6028,
48.1549

■ 50.4339, 48.1119,
49.0803

■ 55.8842, 50.9061,
50.0384

Harmonies

Analogous

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



25.5454, 35.1799, 29.5300



25.1190, 35.1799, 42.5123



26.7491, 35.1799, 57.3943

Triad

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



25.1190, 35.1799, 42.5123



39.5679, 35.1799, 62.8130



36.8826, 35.1799, 18.5594

Complementary

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



25.1190, 35.1799, 42.5123



21.4710, 14.1615, 8.8107

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.



41.1569, 35.1799, 24.0009



25.1190, 35.1799, 42.5123



42.8075, 35.1799, 48.6658

Square

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



25.1190, 35.1799, 42.5123



34.8760, 35.1799, 70.8232



43.4153, 35.1799, 34.3847



32.0390, 35.1799, 17.6676

Rectangle

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



25.1190, 35.1799, 42.5123



28.8838, 35.1799, 65.6781



43.4153, 35.1799, 34.3847



38.4462, 35.1799, 19.8415

Sweetspot

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



25.1200, 35.1813, 42.5131



62.7236, 72.5432, 82.9227



19.8425, 33.1494, 11.1478



13.2426, 15.5422, 17.8789



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.1200, 35.1813, 42.5131



42.8170, 62.4256, 75.4563



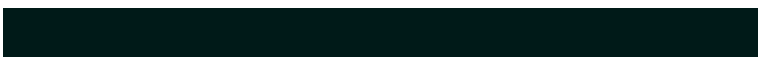
18.5921, 20.8953, 44.1291



8.7144, 9.6203, 10.7558



16.2325, 24.7190, 29.2911



0.5189, 0.7810, 0.9646

Inverse Universe

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



21.4710, 14.1615, 8.8107



35.6511, 20.9686, 9.1403



25.0474, 21.7459, 8.6724



8.5215, 8.5153, 8.9788



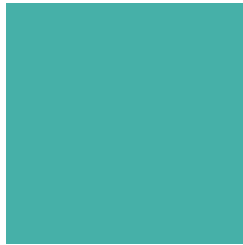
13.2005, 6.7978, 0.9499



0.4239, 0.2173, 0.0749

Previews

White Background



This preview shows how the XYZ color 25.1190, 35.1799, 42.5123 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 25.1190, 35.1799, 42.5123 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

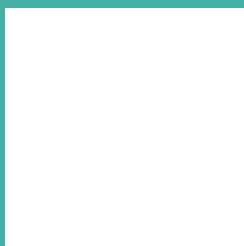
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1190, 35.1799, 42.5123

Background



This preview shows how black text looks on a background with the XYZ color 25.1190, 35.1799, 42.5123.

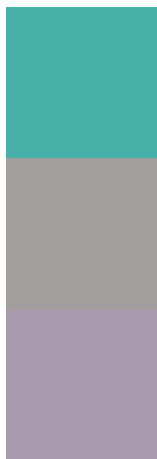


This preview shows how white text looks on a background with the XYZ color 25.1190, 35.1799,

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

25.1190, 35.1799, 42.5123

Protanopia

33.2987, 34.6037, 37.2719

Deuteranopia

35.4126, 34.7847, 44.3828



Tritanopia

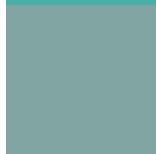
27.0551, 35.0947, 52.3617

Trichromacy



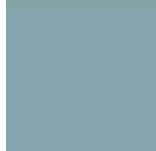
Original Color

25.1190, 35.1799, 42.5123



Protanomaly

29.0300, 34.1860, 39.2509



Deuteranomaly

29.9636, 34.0402, 43.5192



Tritanomaly

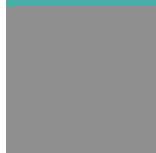
26.2759, 35.0632, 48.5630

Monochromacy



Original Color

25.1190, 35.1799, 42.5123



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.5913, 29.4227, 34.0888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1190, 35.1799, 42.5123 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(70, 176, 168)` looks like.

```
.text, #text, p{  
    color:rgb(70, 176, 168)  
}
```

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(70, 176, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 176, 168) }
```

Border

The CSS property to change the border of an element to XYZ 25.1190, 35.1799, 42.5123 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(70, 176, 168) }
```


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

```
.border{ border-color:rgb(70, 176, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 176, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 176, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 176, 168);  
box-shadow:4px 4px 4px 4px rgb(70, 176,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1190, 35.1799, 42.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 176, 168) }
```

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

```
.background{ background-color: rgb(70, 176,  
168) }
```

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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