

Converting Colors

XYZ(19.9810, 24.5090, 46.0608)

Have a look what the booklet for
XYZ(19.9810, 24.5090, 46.0608)
contains.

XYZ(19.9494, 24.3753, 46.3013)	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(19.9494, 24.3753,
46.3013)**

Conversions

Conversions Part 1

Format	Color
Hex	3991B3
RGB	57, 145, 179
RGB Percent	22%, 57%, 70%
CMY	0.7764, 0.4314, 0.2980
CMYK	0.68, 0.19, 0.00, 0.30
HSL	197°, 52%, 46%
HSV	197°, 68%, 70%
XYZ	19.9494, 24.3753, 46.3013
YIQ	122.5640, -63.3620, -8.0820

Conversions

Conversions Part 2

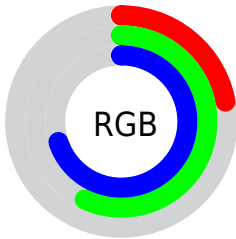
Format	Color
R_{YB}	57, 108, 179
Decimal	3772851
CIE _{Lab}	56.46, -15.19, -25.46
CIE _{LCh}	56, 29.651, 239.182
Yxy	24.3753, 0.2201, 0.2690
Android (android.graphics.Color)	4281962931 (0xFF3991B3)
YUV	122.5640, 27.8229, -57.4996
Hunter-Lab	49.3713, -14.2737, -21.0432

Details

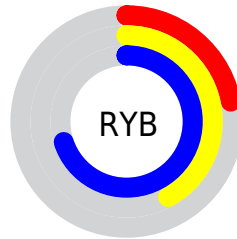
The XYZ color **19.9494, 24.3753, 46.3013** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.0709, 17.3625, 6.0071**, and the grayscale version is **18.6107, 19.5799, 21.3225**.

A 20% lighter version of the original color is **42.8900, 50.6966, 86.1221**, and **7.7686, 9.5118, 21.1652** is the 20% darker color. If you saturate the color by 10%, you get **18.3576, 22.4482, 46.0137**, and if you desaturate by 10%, it is **21.9360, 26.5565, 46.6181**.

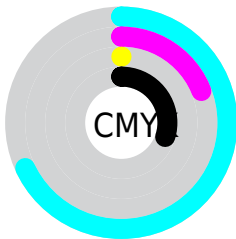
Distribution



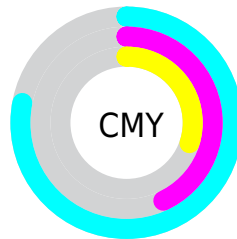
- Red (22%)
- Green (57%)
- Blue (70%)



- Red (22%)
- Yellow (42%)
- Blue (70%)



- Cyan (68%)
- Magenta (19%)
- Yellow (0%)
- Black (30%)



- Cyan (78%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9494, 24.3753, 46.3013 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 19.9494, 24.3753, 46.3013 by changing the saturation by 10% instead.

■ 19.9494, 24.3753,
46.3013

■ 19.9494, 24.3753,
46.3013

244.4798,
274.7124, 388.3314

■ 12.4663, 15.6123,
32.1333

■ 42.8369, 50.6419,
86.0088

■ 7.1365, 9.2502,
21.1976

■ 58.9721, 68.9143,
112.3853

■ 3.5947, 4.9047,
13.0759

■ 78.7220, 91.1253,
143.6684

■ 1.4755, 2.1915,
7.3495

■ 102.4519,
117.6592, 180.2766

■ 0.3091, 0.7153,
3.5999

■ 130.5274,
148.9005, 222.6284

■ 0.0000, 0.0000,
1.4085

163.3136,

■ 0.0000, 0.0000,

185.2335, 271.1425

0.1483

201.1760,
227.0427, 326.2373

■ 0.0000, 0.0000,
0.0000

■ 19.9494, 24.3753,
46.3013

■ 19.9494, 24.3753,
46.3013

■ 18.3576, 22.4482,
46.0137

■ 21.9360, 26.5565,
46.6181

■ 17.1179, 20.7512,
45.7515

■ 24.3494, 29.0076,
46.9640

■ 16.1656, 19.2509,
45.5121

■ 27.2208, 31.7457,
47.3412

■ 16.0021, 18.9854,
45.4695

■ 30.5778, 34.7857,
47.7510

■ 34.4457, 38.1412,
48.1948

■ 38.8480, 41.8249,
48.6738

■ 43.8065, 45.8485,
49.1891

■ 49.3421, 50.2234,
49.7418

■ 55.4742, 54.9603,
50.3329

Harmonies

Analogous

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



17.8716, 24.3753, 36.8616



19.9494, 24.3753, 46.3013



23.0739, 24.3753, 50.2737

Triad

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



19.9494, 24.3753, 46.3013



30.4115, 24.3753, 26.8113



20.0975, 24.3753, 13.2248

Complementary

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



19.9494, 24.3753, 46.3013



23.0709, 17.3625, 6.0071

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.



23.2623, 24.3753, 11.7750



19.9494, 24.3753, 46.3013



29.4193, 24.3753, 18.3519

Square

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



19.9494, 24.3753, 46.3013



29.3090, 24.3753, 37.4464



26.7154, 24.3753, 13.3951



17.9509, 24.3753, 17.9889

Rectangle

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



19.9494, 24.3753, 46.3013



25.4043, 24.3753, 48.6875



26.7154, 24.3753, 13.3951



21.0670, 24.3753, 12.3947

Sweetspot

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



19.9502, 24.3762, 46.3019



60.0967, 66.9466, 86.1357



19.6339, 33.8410, 15.0674



12.8798, 14.4570, 19.0339



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.



19.9502, 24.3762, 46.3019



31.6421, 38.5646, 82.1572



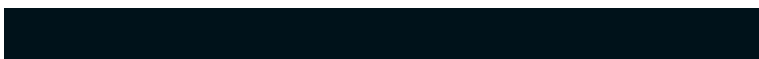
13.1103, 10.6964, 44.0219



8.5385, 9.2232, 10.8365



11.3646, 13.5296, 32.1495



0.4036, 0.5178, 1.0269

Inverse Universe

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



25.1651, 14.5552, 28.2719



42.2534, 22.0592, 44.6892



30.3213, 31.8633, 8.4239



8.7470, 8.6055, 10.1661



15.9710, 7.9059, 15.5390



0.5258, 0.2581, 0.6114

Previews

White Background



This preview shows how the XYZ color 19.9494, 24.3753, 46.3013 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 19.9494, 24.3753, 46.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

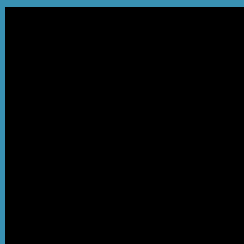
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

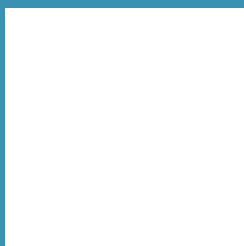
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9494, 24.3753, 46.3013

Background



This preview shows how black text looks on a background with the XYZ color 19.9494, 24.3753, 46.3013.

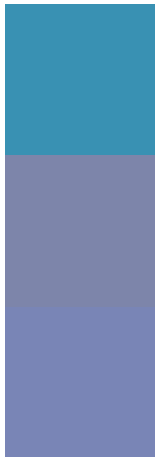


This preview shows how white text looks on a background with the XYZ color 19.9494, 24.3753,

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

19.9494, 24.3753, 46.3013

Protanopia

24.1007, 24.0373, 41.3996

Deuteranopia

24.7162, 24.2174, 47.6277



Tritanopia

18.0618, 24.2987, 36.9959

Trichromacy



Original Color

19.9494, 24.3753, 46.3013

Protanomaly

21.7440, 23.6178, 42.9478

Deuteranomaly

22.3232, 23.8242, 47.1380

Tritanomaly

18.7242, 24.3356, 40.2696

Monochromacy



Original Color

19.9494, 24.3753, 46.3013

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2198, 20.8684, 29.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9494, 24.3753, 46.3013 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(57, 145, 179)` looks like.

```
.text, #text, p{  
    color:rgb(57, 145, 179)  
}
```

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(57, 145, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 145, 179) }
```

Border

The CSS property to change the border of an element to XYZ 19.9494, 24.3753, 46.3013 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(57, 145, 179) }
```


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

```
.border{ border-color:rgb(57, 145, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 145, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 145, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 145, 179);  
box-shadow:4px 4px 4px 4px rgb(57, 145,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9494, 24.3753, 46.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 145, 179) }
```

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

```
.background{ background-color: rgb(57, 145,  
179) }
```

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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