

Converting Colors

XYZ(19.9278, 24.4780, 46.6737)

Have a look what the booklet for
XYZ(19.9278, 24.4780, 46.6737)
contains.

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Color

**XYZ(20.0384, 24.6373,
46.8794)**

Conversions

Conversions Part 1

Format	Color
Hex	3692B4
RGB	54, 146, 180
RGB Percent	21%, 57%, 71%
CMY	0.7882, 0.4274, 0.2941
CMYK	0.70, 0.19, 0.00, 0.29
HSL	196°, 54%, 46%
HSV	196°, 70%, 71%
XYZ	20.0384, 24.6373, 46.8794
YIQ	122.3680, -65.7460, -8.9300

Conversions

Conversions Part 2

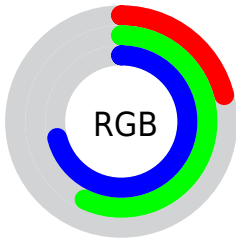
Format	Color
R _Y B	54, 107, 180
Decimal	3576500
CIE Lab	56.72, -15.86, -25.64
CIE LCh	57, 30.152, 238.255
Yxy	24.6373, 0.2189, 0.2691
Android (android.graphics.Color)	4281766580 (0xFF3692B4)
YUV	122.3680, 28.4126, -59.9587
Hunter-Lab	49.6360, -14.8012, -21.2521

Details

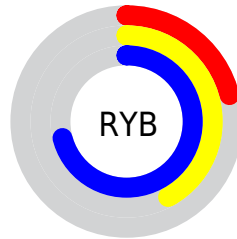
The XYZ color **20.0384, 24.6373, 46.8794** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.9789, 16.9503, 5.5516**, and the grayscale version is **18.5453, 19.5111, 21.2476**.

A 20% lighter version of the original color is **42.9971, 51.0777, 86.9497**, and **7.9230, 9.7167, 21.5366** is the 20% darker color. If you saturate the color by 10%, you get **18.5124, 22.7630, 46.5985**, and if you desaturate by 10%, it is **21.9553, 26.7613, 47.1888**.

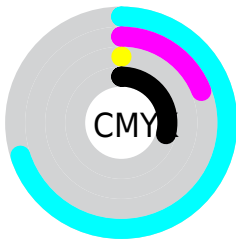
Distribution



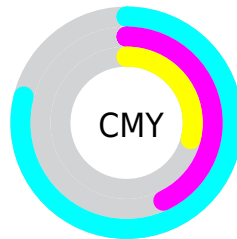
- Red (21%)
- Green (57%)
- Blue (71%)



- Red (21%)
- Yellow (42%)
- Blue (71%)



- Cyan (70%)
- Magenta (19%)
- Yellow (0%)
- Black (29%)



- Cyan (79%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0384, 24.6373, 46.8794 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 20.0384, 24.6373, 46.8794 by changing the saturation by 10% instead.

■ 20.0384, 24.6373,
46.8794

■ 20.0384, 24.6373,
46.8794

244.9525,
276.0268, 390.7128

■ 12.5314, 15.8070,
32.5867

■ 42.9850, 51.0682,
86.8817

■ 7.1814, 9.3877,
21.5415

■ 59.1553, 69.4376,
113.4283

■ 3.6232, 4.9949,
13.3253

■ 78.9441, 91.7556,
144.8966

■ 1.4912, 2.2443,
7.5196

■ 102.7167,
118.4064, 181.7052

■ 0.3199, 0.7440,
3.7058

■ 130.8385,
149.7746, 224.2725

■ 0.0000, 0.0000,
1.4654

163.6748,

■ 0.0000, 0.0000,

186.2444, 273.0172

0.1919

201.5910,
228.2004, 328.3578

■ 0.0000, 0.0000,
0.0000

■ 20.0384, 24.6373,
46.8794

■ 20.0384, 24.6373,
46.8794

■ 18.5124, 22.7630,
46.5985

■ 21.9553, 26.7613,
47.1888

■ 17.3326, 21.1134,
46.3423

■ 24.2965, 29.1513,
47.5267

■ 16.4126, 19.6438,
46.1071

■ 27.0941, 31.8250,
47.8954

■ 16.4123, 19.6432,
46.1070

■ 30.3767, 34.7976,
48.2961

■ 34.1701, 38.0830,
48.7303

■ 38.4986, 41.6942,
49.1992

■ 43.3844, 45.6433,
49.7040

■ 48.8489, 49.9417,
50.2456

■ 54.9120, 54.6002,
50.8252

Harmonies

Analogous

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



17.9546, 24.6373, 37.0703



20.0384, 24.6373, 46.8794



23.2118, 24.6373, 51.1930

Triad

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



20.0384, 24.6373, 46.8794



30.8419, 24.6373, 27.4196



20.3614, 24.6373, 13.1344

Complementary

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



20.0384, 24.6373, 46.8794



22.9789, 16.9503, 5.5516

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.



23.6234, 24.6373, 11.7585



20.0384, 24.6373, 46.8794



29.8882, 24.6373, 18.6674

Square

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



20.0384, 24.6373, 46.8794



29.6467, 24.6373, 38.3514



27.1555, 24.6373, 13.5040



18.1275, 24.6373, 17.8771

Rectangle

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



20.0384, 24.6373, 46.8794



25.5983, 24.6373, 49.7226



27.1555, 24.6373, 13.5040



21.3633, 24.6373, 12.3242

Sweetspot

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



20.0392, 24.6382, 46.8800



60.9632, 68.2054, 88.2465



19.5883, 34.1255, 14.7016



12.7607, 14.3849, 19.0263



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.



20.0392, 24.6382, 46.8800



32.3300, 39.5983, 84.2339



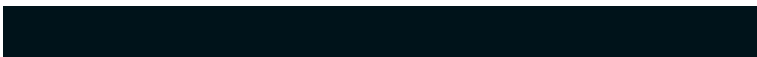
12.8844, 10.3286, 44.4951



8.5449, 9.2359, 10.8387



11.5124, 13.8251, 32.1987



0.4074, 0.5253, 1.0282

Inverse Universe

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



25.3306, 14.4178, 28.6428



43.1913, 22.3045, 45.9726



30.4914, 31.9753, 8.0557



8.7502, 8.6068, 10.1830



16.0456, 7.9358, 15.9318



0.5277, 0.2588, 0.6213

Previews

White Background



This preview shows how the XYZ color 20.0384, 24.6373, 46.8794 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 20.0384, 24.6373, 46.8794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

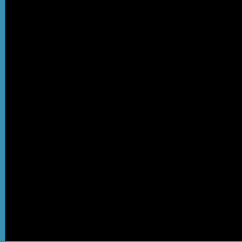
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0384, 24.6373, 46.8794

Background



This preview shows how black text looks on a background with the XYZ color 20.0384, 24.6373, 46.8794.

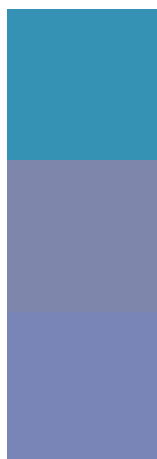


This preview shows how white text looks on a background with the XYZ color 20.0384, 24.6373,

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

20.0384, 24.6373, 46.8794

Protanopia

24.4800, 24.4261, 41.9526

Deuteranopia

24.9608, 24.3315, 48.1806



Tritanopia

18.0949, 24.5395, 37.5011

Trichromacy



Original Color

20.0384, 24.6373, 46.8794

Protanomaly

21.9840, 23.9423, 43.5070

Deuteranomaly

22.4617, 24.0957, 47.7231

Tritanomaly

18.7845, 24.5878, 40.8017

Monochromacy



Original Color

20.0384, 24.6373, 46.8794

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.0040, 20.7572, 29.0442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0384, 24.6373, 46.8794 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(54, 146, 180)` looks like.

```
.text, #text, p{  
    color:rgb(54, 146, 180)  
}
```

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(54, 146, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 146, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.0384, 24.6373, 46.8794 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(54, 146, 180) }
```


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

```
.border{ border-color:rgb(54, 146, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 146, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 146, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 146, 180);  
box-shadow:4px 4px 4px 4px rgb(54, 146,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0384, 24.6373, 46.8794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 146, 180) }
```

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

```
.background{ background-color: rgb(54, 146,  
180) }
```

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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