

Converting Colors

XYZ(20.0876, 24.6390, 47.9530)

Have a look what the booklet for
XYZ(20.0876, 24.6390, 47.9530)
contains.

XYZ(20.0876, 24.6390, 47.9530)	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(20.0876, 24.6390,
47.9530)**

Conversions

Conversions Part 1

Format	Color
Hex	3392B6
RGB	51, 146, 182
RGB Percent	20%, 57%, 71%
CMY	0.8000, 0.4274, 0.2863
CMYK	0.72, 0.20, 0.00, 0.29
HSL	196°, 56%, 46%
HSV	196°, 72%, 71%
XYZ	20.0876, 24.6390, 47.9530
YIQ	121.6990, -68.1760, -8.9440

Conversions

Conversions Part 2

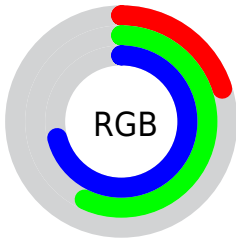
Format	Color
R_{YB}	51, 106, 182
Decimal	3379894
CIE _{Lab}	56.72, -15.63, -26.78
CIE _{LCh}	57, 31.009, 239.736
Yxy	24.6390, 0.2167, 0.2659
Android (android.graphics.Color)	4281569974 (0xFF3392B6)
YUV	121.6990, 29.7284, -62.0030
Hunter-Lab	49.6377, -14.6298, -22.5313

Details

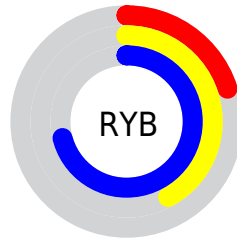
The XYZ color **20.0876, 24.6390, 47.9530** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.2980, 17.0017, 5.1866**, and the grayscale version is **18.3239, 19.2781, 20.9939**.

A 20% lighter version of the original color is **43.0263, 51.0590, 88.4766**, and **8.0547, 9.7694, 22.2300** is the 20% darker color. If you saturate the color by 10%, you get **18.5896, 22.7475, 47.6673**, and if you desaturate by 10%, it is **21.9798, 26.7847, 48.2679**.

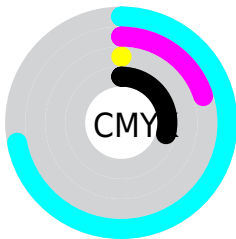
Distribution



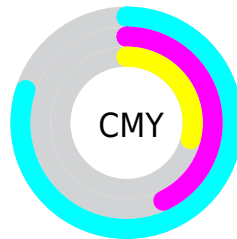
- Red (20%)
- Green (57%)
- Blue (71%)



- Red (20%)
- Yellow (42%)
- Blue (71%)



- Cyan (72%)
- Magenta (20%)
- Yellow (0%)
- Black (29%)



- Cyan (80%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0876, 24.6390, 47.9530 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 20.0876, 24.6390, 47.9530 by changing the saturation by 10% instead.

■ 20.0876, 24.6390,
47.9530

■ 20.0876, 24.6390,
47.9530

245.2135,
276.0353, 395.1091

■ 12.5674, 15.8083,
33.4299

■ 43.0668, 51.0710,
88.4992

■ 7.2063, 9.3886,
22.1822

■ 59.2565, 69.4410,
115.3595

■ 3.6389, 4.9955,
13.7912

■ 79.0668, 91.7597,
147.1693

■ 1.4999, 2.2446,
7.8385

■ 102.8629,
118.4113, 184.3470

■ 0.3258, 0.7442,
3.9055

■ 131.0103,
149.7803, 227.3114

■ 0.0000, 0.0000,
1.5737

163.8743,

■ 0.0000, 0.0000,

186.2510, 276.4808

0.2719

201.8202,
228.2079, 332.2739

■ 0.0000, 0.0000,
0.0000

■ 20.0876, 24.6390,
47.9530

■ 20.0876, 24.6390,
47.9530

■ 18.5896, 22.7475,
47.6673

■ 21.9798, 26.7847,
48.2679

■ 17.4383, 21.0837,
47.4069

■ 24.3016, 29.2021,
48.6121

■ 16.6927, 19.8758,
47.2130

■ 27.0871, 31.9099,
48.9880

■ 30.3659, 34.9238,
49.3969

■ 34.1652, 38.2587,
49.8404

■ 38.5102, 41.9279,
50.3196

■ 43.4242, 45.9441,
50.8358

■ 48.9293, 50.3192,
51.3901

■ 55.0462, 55.0645,
51.9837

Harmonies

Analogous

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



17.8873, 24.6390, 37.9608



20.0876, 24.6390, 47.9530



23.3866, 24.6390, 52.0602

Triad

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



20.0876, 24.6390, 47.9530



31.0788, 24.6390, 26.9196



20.1378, 24.6390, 12.9901

Complementary

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



20.0876, 24.6390, 47.9530



23.2980, 17.0017, 5.1866

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.



23.4507, 24.6390, 11.4402



20.0876, 24.6390, 47.9530



29.9868, 24.6390, 18.1166

Square

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



20.0876, 24.6390, 47.9530



29.9490, 24.6390, 38.1617



27.0989, 24.6390, 13.0468



17.9141, 24.6390, 17.9944

Rectangle

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



20.0876, 24.6390, 47.9530



25.8448, 24.6390, 50.2626



27.0989, 24.6390, 13.0468



21.1493, 24.6390, 12.1153

Sweetspot

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



20.0884, 24.6399, 47.9536



61.6475, 69.1096, 90.3260



19.7710, 34.8311, 14.4723



13.1869, 14.8924, 19.9011



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.0884, 24.6399, 47.9536



32.4863, 39.5391, 86.1553



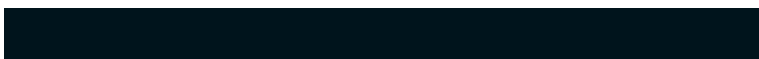
12.7944, 10.0518, 45.5223



9.0524, 9.7820, 11.4904



11.8458, 14.1514, 33.3602



0.4664, 0.5965, 1.1923

Inverse Universe

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



25.6642, 14.3889, 28.6197



43.8756, 22.4696, 45.7955



31.0262, 32.4580, 7.7626



9.2728, 9.1195, 10.7838



16.5929, 8.2109, 16.2749



0.6096, 0.2993, 0.7035

Previews

White Background



This preview shows how the XYZ color 20.0876, 24.6390, 47.9530 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 20.0876, 24.6390, 47.9530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

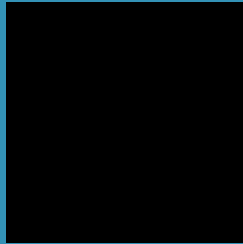
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0876, 24.6390, 47.9530

Background



This preview shows how black text looks on a background with the XYZ color 20.0876, 24.6390, 47.9530.

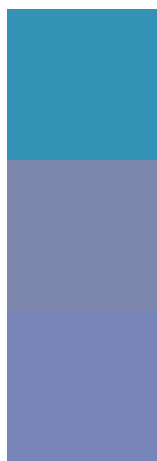


This preview shows how white text looks on a background with the XYZ color 20.0876, 24.6390,

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

20.0876, 24.6390, 47.9530

Protanopia

24.5254, 24.4273, 42.9575

Deuteranopia

24.8902, 24.2709, 49.2718



Tritanopia

18.1555, 24.7964, 38.0117

Trichromacy



Original Color

20.0876, 24.6390, 47.9530

Protanomaly

21.9620, 23.9082, 44.5315

Deuteranomaly

22.4595, 24.0705, 48.8097

Tritanomaly

18.8233, 24.8309, 41.3369

Monochromacy



Original Color

20.0876, 24.6390, 47.9530

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9742, 20.7330, 29.4401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0876, 24.6390, 47.9530 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(51, 146, 182)` looks like.

```
.text, #text, p{  
    color:rgb(51, 146, 182)  
}
```

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(51, 146, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 146, 182) }
```

Border

The CSS property to change the border of an element to XYZ 20.0876, 24.6390, 47.9530 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(51, 146, 182) }
```


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

```
.border{ border-color:rgb(51, 146, 182) }
```

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

Here you see how a box with a 4 pixel rgb(51, 146, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 146, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 146, 182);  
box-shadow:4px 4px 4px 4px rgb(51, 146,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0876, 24.6390, 47.9530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 146, 182) }
```

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

```
.background{ background-color: rgb(51, 146,  
182) }
```

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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