

Converting Colors

XYZ(19.9828, 23.6286, 49.2524)

Have a look what the booklet for
XYZ(19.9828, 23.6286, 49.2524)
contains.

XYZ(20.0055, 23.6610, 49.4116)	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(20.0055, 23.6610,
49.4116)**

Conversions

Conversions Part 1

Format	Color
Hex	378EB9
RGB	55, 142, 185
RGB Percent	22%, 56%, 73%
CMY	0.7843, 0.4431, 0.2745
CMYK	0.70, 0.23, 0.00, 0.27
HSL	200°, 54%, 47%
HSV	200°, 70%, 73%
XYZ	20.0055, 23.6610, 49.4116
YIQ	120.8890, -65.6550, -5.0710

Conversions

Conversions Part 2

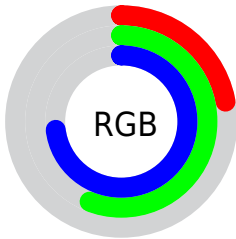
Format	Color
R_{YB}	55, 107, 185
Decimal	3641017
CIE _{Lab}	55.75, -11.83, -29.99
CIE _{LCh}	56, 32.240, 248.472
Yxy	23.6610, 0.2149, 0.2542
Android (android.graphics.Color)	4281831097 (0xFF378EB9)
YUV	120.8890, 31.6067, -57.7847
Hunter-Lab	48.6426, -11.7118, -26.1776

Details

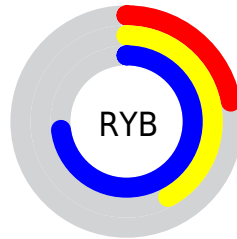
The XYZ color **20.0055, 23.6610, 49.4116** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.0659, 19.3270, 6.0248**, and the grayscale version is **18.0556, 18.9959, 20.6865**.

A 20% lighter version of the original color is **42.9532, 49.6126, 90.5314**, and **7.9920, 9.3202, 23.2076** is the 20% darker color. If you saturate the color by 10%, you get **18.2901, 21.4623, 49.0781**, and if you desaturate by 10%, it is **22.1523, 26.1571, 49.7807**.

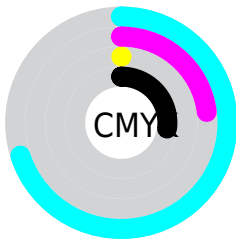
Distribution



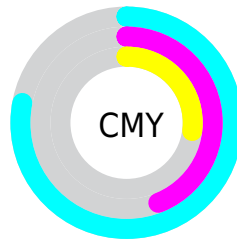
- Red (22%)
- Green (56%)
- Blue (73%)



- Red (22%)
- Yellow (42%)
- Blue (73%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)
- Black (27%)



- Cyan (78%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0055, 23.6610, 49.4116 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 20.0055, 23.6610, 49.4116 by changing the saturation by 10% instead.

■ 20.0055, 23.6610,
49.4116

■ 20.0055, 23.6610,
49.4116

244.7779,
271.1021, 401.0294

■ 12.5073, 15.0823,
34.5782

■ 42.9303, 49.4764,
90.6898

■ 7.1648, 8.8772,
23.0572

■ 59.0876, 67.4820,
117.9716

■ 3.6126, 4.6612,
14.4300

■ 78.8620, 89.3987,
150.2400

■ 1.4854, 2.0499,
8.2782

■ 102.6189,
115.6108, 187.9135

■ 0.3159, 0.6362,
4.1832

■ 130.7235,
146.5028, 231.4107

■ 0.0000, 0.0000,
1.7264

163.5413,

■ 0.0000, 0.0000,

182.4591, 281.1500

0.3787

201.4377,
223.8641, 337.5501

■ 0.0000, 0.0000,
0.0000

■ 20.0055, 23.6610,
49.4116

■ 20.0055, 23.6610,
49.4116

■ 18.2901, 21.4623,
49.0781

■ 22.1523, 26.1571,
49.7807

■ 16.9578, 19.5338,
48.7761

■ 24.7669, 28.9693,
50.1857

■ 15.9405, 17.8696,
48.5085

■ 27.8842, 32.1172,
50.6290

■ 31.5352, 35.6178,
51.1123

■ 35.7479, 39.4866,
51.6370

■ 40.5485, 43.7383,
52.2046

■ 45.9614, 48.3863,
52.8165

■ 52.0096, 53.4437,
53.4739

■ 58.7148, 58.9225,
54.1780

Harmonies

Analogous

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



17.4196, 23.6610, 40.4367



20.0055, 23.6610, 49.4116



23.5413, 23.6610, 51.2643

Triad

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



20.0055, 23.6610, 49.4116



30.1880, 23.6610, 22.9077



18.3909, 23.6610, 12.9911

Complementary

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



20.0055, 23.6610, 49.4116



25.0659, 19.3270, 6.0248

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.



21.4687, 23.6610, 10.5336



20.0055, 23.6610, 49.4116



28.4575, 23.6610, 15.1530

Square

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



20.0055, 23.6610, 49.4116



29.6871, 23.6610, 33.8843



25.1701, 23.6610, 11.2003



16.5601, 23.6610, 19.0553

Rectangle

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



20.0055, 23.6610, 49.4116



26.0116, 23.6610, 47.8370



25.1701, 23.6610, 11.2003



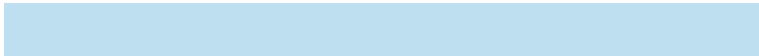
19.2998, 23.6610, 11.8025

Sweetspot

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



20.0063, 23.6618, 49.4122



63.1610, 69.9406, 92.3756



21.0444, 36.3585, 17.0167



13.1559, 14.6591, 19.8577



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.



20.0063, 23.6618, 49.4122



31.4584, 36.6170, 87.6144



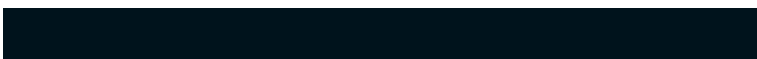
13.1175, 9.8842, 47.1159



9.0096, 9.6964, 11.4762



10.9228, 12.3053, 33.0525



0.4392, 0.5421, 1.1832

Inverse Universe

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



26.2570, 15.0006, 27.1034



44.0902, 22.9026, 41.6818



33.4720, 36.1391, 8.8268



9.2512, 9.1108, 10.6702



16.1270, 8.0246, 13.8215



0.5959, 0.2938, 0.6312

Previews

White Background



This preview shows how the XYZ color 20.0055, 23.6610, 49.4116 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 20.0055, 23.6610, 49.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

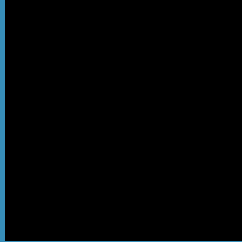
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0055, 23.6610, 49.4116

Background



This preview shows how black text looks on a background with the XYZ color 20.0055, 23.6610, 49.4116.

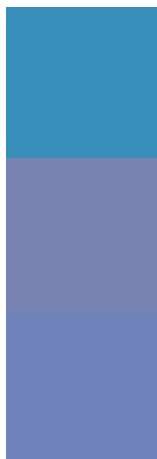


This preview shows how white text looks on a background with the XYZ color 20.0055, 23.6610,

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

20.0055, 23.6610, 49.4116

Protanopia

23.7978, 23.4000, 44.8573

Deuteranopia

23.8960, 23.3312, 50.2576



Tritanopia

17.4193, 23.7457, 36.4662

Trichromacy



Original Color

20.0055, 23.6610, 49.4116

Protanomaly

21.7261, 23.1100, 46.4956

Deuteranomaly

21.9405, 23.1484, 49.7661

Tritanomaly

18.1895, 23.5915, 40.6407

Monochromacy



Original Color

20.0055, 23.6610, 49.4116

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8141, 20.2555, 29.3564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0055, 23.6610, 49.4116 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(55, 142, 185)` looks like.

```
.text, #text, p{  
    color:rgb(55, 142, 185)  
}
```

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(55, 142, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 142, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.0055, 23.6610, 49.4116 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(55, 142, 185) }
```


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

```
.border{ border-color:rgb(55, 142, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 142, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 142, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 142, 185);  
box-shadow:4px 4px 4px 4px rgb(55, 142,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0055, 23.6610, 49.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 142, 185) }
```

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

```
.background{ background-color: rgb(55, 142,  
185) }
```

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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