

Converting Colors

XYZ(20.6610, 25.1404, 49.1110)

Have a look what the booklet for
XYZ(20.6610, 25.1404, 49.1110)
contains.

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Color

**XYZ(20.6610, 25.1404,
49.1110)**

Conversions

Conversions Part 1

Format	Color
Hex	3793B8
RGB	55, 147, 184
RGB Percent	22%, 58%, 72%
CMY	0.7843, 0.4235, 0.2784
CMYK	0.70, 0.20, 0.00, 0.28
HSL	197°, 54%, 47%
HSV	197°, 70%, 72%
XYZ	20.6610, 25.1404, 49.1110
YIQ	123.7100, -66.7090, -7.9970

Conversions

Conversions Part 2

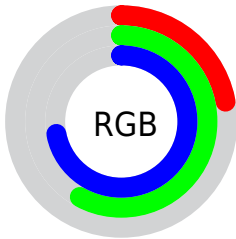
Format	Color
R_{YB}	55, 109, 184
Decimal	3642296
CIE _{Lab}	57.21, -14.93, -27.15
CIE _{LCh}	57, 30.988, 241.191
Yxy	25.1404, 0.2177, 0.2649
Android (android.graphics.Color)	4281832376 (0xFF3793B8)
YUV	123.7100, 29.7230, -60.2587
Hunter-Lab	50.1402, -14.1918, -22.9748

Details

The XYZ color **20.6610, 25.1404, 49.1110** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.2848, 18.1218, 5.8333**, and the grayscale version is **18.9831, 19.9717, 21.7492**.

A 20% lighter version of the original color is **43.9509, 51.8465, 90.1290**, and **8.2796, 10.0044, 22.9674** is the 20% darker color. If you saturate the color by 10%, you get **19.0328, 23.1110, 48.8056**, and if you desaturate by 10%, it is **22.7042, 27.4406, 49.4478**.

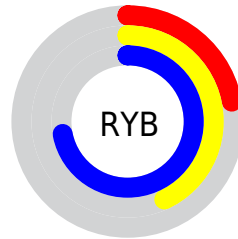
Distribution



Red (22%)

Green (58%)

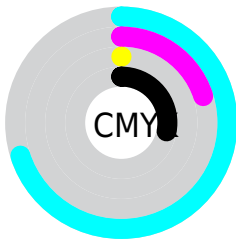
Blue (72%)



Red (22%)

Yellow (43%)

Blue (72%)

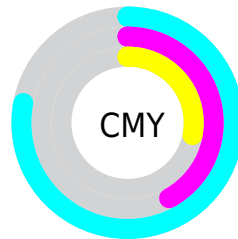


Cyan (70%)

Magenta (20%)

Yellow (0%)

Black (28%)



Cyan (78%)

Magenta (42%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6610, 25.1404, 49.1110 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 20.6610, 25.1404, 49.1110 by changing the saturation by 10% instead.

■ 20.6610, 25.1404,
49.1110

■ 20.6610, 25.1404,
49.1110

248.2373,
278.5364, 399.8142

■ 12.9875, 16.1817,
34.3413

■ 44.0182, 51.8849,
90.2390

■ 7.4969, 9.6528,
22.8765

■ 60.4326, 70.4395,
117.4344

■ 3.8238, 5.1694,
14.2979

■ 80.4913, 92.9615,
149.6087

■ 1.6029, 2.3470,
8.1870

■ 104.5597,
119.8353, 187.1806

■ 0.3943, 0.7984,
4.1254

■ 133.0032,
151.4453, 230.5686

■ 0.0000, 0.0000,
1.6944

166.1870,

■ 0.0000, 0.0000,

188.1759, 280.1911

0.3569

204.4766,
230.4115, 336.4668

■ 0.0000, 0.0000,
0.0000

■ 20.6610, 25.1404,
49.1110

■ 20.6610, 25.1404,
49.1110

■ 19.0328, 23.1110,
48.8056

■ 22.7042, 27.4406,
49.4478

■ 17.7724, 21.3258,
48.5274

■ 25.1978, 30.0292,
49.8160

■ 16.7983, 19.7537,
48.2753

■ 28.1761, 32.9249,
50.2180

■ 31.6691, 36.1441,
50.6552

■ 35.7044, 39.7016,
51.1292

■ 40.3076, 43.6112,
51.6412

■ 45.5023, 47.8858,
52.1925

■ 51.3110, 52.5377,
52.7843

■ 57.7550, 57.5784,
53.4176

Harmonies

Analogous

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



18.3651, 25.1404, 39.1982



20.6610, 25.1404, 49.1110



24.0418, 25.1404, 52.8812

Triad

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



20.6610, 25.1404, 49.1110



31.6466, 25.1404, 26.9567



20.4318, 25.1404, 13.4959

Complementary

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



20.6610, 25.1404, 49.1110



24.2848, 18.1218, 5.8333

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.



23.7492, 25.1404, 11.7601



20.6610, 25.1404, 49.1110



30.4370, 25.1404, 18.2040

Square

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



20.6610, 25.1404, 49.1110



30.6093, 25.1404, 38.2832



27.4504, 25.1404, 13.2361



18.2426, 25.1404, 18.7626

Rectangle

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



20.6610, 25.1404, 49.1110



26.5312, 25.1404, 50.8013



27.4504, 25.1404, 13.2361



21.4399, 25.1404, 12.5509

Sweetspot

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



20.6619, 25.1413, 49.1116



63.7562, 71.1310, 92.5739



20.6290, 35.8587, 15.8579



13.2990, 14.9453, 19.9054



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.



20.6619, 25.1413, 49.1116



33.2133, 40.1269, 88.1993



13.3177, 10.4530, 46.6636



9.0432, 9.7635, 11.4874



11.6400, 13.7396, 33.2916



0.4604, 0.5846, 1.1903

Inverse Universe

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



26.4006, 15.0302, 29.1143



44.9760, 23.2569, 46.3464



32.3544, 34.2609, 8.5232



9.2681, 9.1176, 10.7594



16.4890, 8.1694, 15.7277



0.6066, 0.2981, 0.6876

Previews

White Background



This preview shows how the XYZ color 20.6610, 25.1404, 49.1110 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 20.6610, 25.1404, 49.1110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

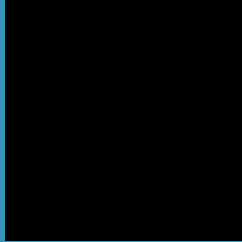
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6610, 25.1404, 49.1110

Background



This preview shows how black text looks on a background with the XYZ color 20.6610, 25.1404, 49.1110.

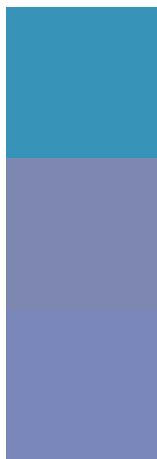


This preview shows how white text looks on a background with the XYZ color 20.6610, 25.1404,

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

20.6610, 25.1404, 49.1110

Protanopia

25.0060, 24.8587, 44.0377

Deuteranopia

25.5188, 24.9807, 50.4905



Tritanopia

18.5919, 25.2490, 38.5440

Trichromacy



Original Color

20.6610, 25.1404, 49.1110

Protanomaly

22.5240, 24.3889, 45.6399

Deuteranomaly

23.0253, 24.5518, 49.9798

Tritanomaly

19.3837, 25.3338, 42.3964

Monochromacy



Original Color

20.6610, 25.1404, 49.1110

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.5852, 21.2305, 30.3125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6610, 25.1404, 49.1110 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, 147, 184)` looks like.

```
.text, #text, p{  
    color:rgb(55, 147, 184)  
}
```

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, 147, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 147, 184) }
```

Border

The CSS property to change the border of an element to XYZ 20.6610, 25.1404, 49.1110 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, 147, 184) }
```


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

```
.border{ border-color:rgb(55, 147, 184) }
```

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

Here you see how a box with a 4 pixel rgb(55, 147, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 147, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 147, 184);  
box-shadow:4px 4px 4px 4px rgb(55, 147,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6610, 25.1404, 49.1110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 147, 184) }
```

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

```
.background{ background-color: rgb(55, 147,  
184) }
```

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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