

Converting Colors

XYZ(20.8536, 22.7258, 51.1814)

Have a look what the booklet for
XYZ(20.8536, 22.7258, 51.1814)
contains.

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Color

**XYZ(20.8911, 22.7783,
51.4397)**

Conversions

Conversions Part 1

Format	Color
Hex	4B88BD
RGB	75, 136, 189
RGB Percent	29%, 53%, 74%
CMY	0.7059, 0.4667, 0.2588
CMYK	0.60, 0.28, 0.00, 0.26
HSL	208°, 46%, 52%
HSV	208°, 60%, 74%
XYZ	20.8911, 22.7783, 51.4397
YIQ	123.8030, -53.3690, 3.5510

Conversions

Conversions Part 2

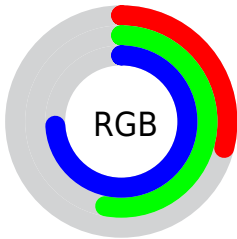
Format	Color
R_{YB}	75, 115, 189
Decimal	4950205
CIE _{Lab}	54.84, -3.61, -33.62
CIE _{LCh}	55, 33.817, 263.870
Yxy	22.7783, 0.2197, 0.2395
Android (android.graphics.Color)	4283140285 (0xFF4B88BD)
YUV	123.8030, 32.1421, -42.8002
Hunter-Lab	47.7266, -5.3878, -30.4941

Details

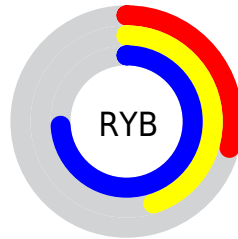
The XYZ color **20.8911, 22.7783, 51.4397** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.9764, 26.7665, 10.2441**, and the grayscale version is **19.0027, 19.9923, 21.7716**.

A 20% lighter version of the original color is **44.5050, 48.0356, 94.1149**, and **7.7814, 8.5657, 24.1649** is the 20% darker color. If you saturate the color by 10%, you get **18.4393, 19.7523, 50.9853**, and if you desaturate by 10%, it is **23.8850, 26.2352, 51.9496**.

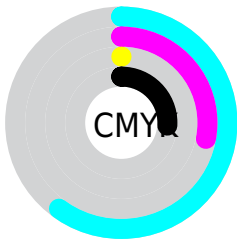
Distribution



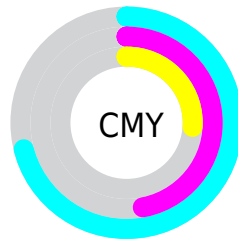
- Red (29%)
- Green (53%)
- Blue (74%)



- Red (29%)
- Yellow (45%)
- Blue (74%)



- Cyan (60%)
- Magenta (28%)
- Yellow (0%)
- Black (26%)



- Cyan (71%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8911, 22.7783, 51.4397 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 20.8911, 22.7783, 51.4397 by changing the saturation by 10% instead.

■ 20.8911, 22.7783,
51.4397

■ 20.8911, 22.7783,
51.4397

249.4419,
266.5842, 409.1649

■ 13.1564, 14.4299,
36.1795

■ 44.3989, 48.0290,
93.7225

■ 7.6141, 8.4203,
24.2821

■ 60.9027, 65.7002,
121.5823

■ 3.8987, 4.3650,
15.3289

■ 81.0602, 87.2476,
154.4789

■ 1.6450, 1.8798,
8.9013

■ 105.2369,
113.0559, 192.8310

■ 0.4215, 0.5362,
4.5809

■ 133.7981,
143.5093, 237.0571

■ 0.0000, 0.0000,
1.9492

167.1090,

■ 0.0000, 0.0000,

178.9922, 287.5758

0.5237

205.5352,
219.8890, 344.8056

■ 0.0000, 0.0000,
0.0000

■ 20.8911, 22.7783,
51.4397

■ 20.8911, 22.7783,
51.4397

■ 18.4393, 19.7523,
50.9853

■ 23.8850, 26.2352,
51.9496

■ 16.4847, 17.1291,
50.5820

■ 27.4562, 30.1435,
52.5158

■ 14.9778, 14.8802,
50.2273

■ 31.6396, 34.5248,
53.1409

■ 13.8517, 13.0068,
49.9251

■ 36.4662, 39.3984,
53.8273

■ 41.9649, 44.7824,
54.5767

■ 48.1630, 50.6939,
55.3910

■ 55.0857, 57.1488,
56.2721

■ 62.7573, 64.1627,
57.2215

■ 71.2009, 71.7502,
58.2411

Harmonies

Analogous

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



17.6799, 22.7783, 45.4380



20.8911, 22.7783, 51.4397



24.6933, 22.7783, 48.8116

Triad

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



20.8911, 22.7783, 51.4397



28.9164, 22.7783, 17.3646



16.3446, 22.7783, 14.5305

Complementary

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



20.8911, 22.7783, 51.4397



29.9764, 26.7665, 10.2441

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.



18.8678, 22.7783, 10.3306



20.8911, 22.7783, 51.4397



26.1741, 22.7783, 11.6066

Square

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



20.8911, 22.7783, 51.4397



29.6183, 22.7783, 27.0670



22.4272, 22.7783, 9.4404



15.2569, 22.7783, 22.6665

Rectangle

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



20.8911, 22.7783, 51.4397



27.0274, 22.7783, 42.8137



22.4272, 22.7783, 9.4404



17.0380, 22.7783, 12.7179

Sweetspot

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



20.8919, 22.7791, 51.4403



67.2074, 72.4414, 96.6666



24.8854, 39.4058, 26.1360



13.8692, 14.9994, 20.7068



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.8919, 22.7791, 51.4403



31.9443, 33.9718, 91.0998



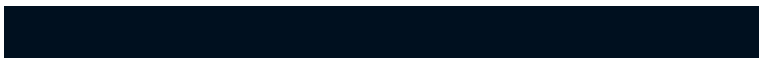
15.0081, 11.0114, 49.4790



9.4278, 10.0479, 12.1148



9.3969, 8.9056, 33.6166



0.4330, 0.4786, 1.3384

Inverse Universe

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



27.9470, 17.6295, 25.2231



46.2845, 26.2160, 37.2029



39.2523, 45.3183, 13.3361



9.7378, 9.6194, 11.0082



15.7439, 7.9287, 9.2110



0.6494, 0.3237, 0.5332

Previews

White Background



This preview shows how the XYZ color 20.8911, 22.7783, 51.4397 looks on a white background.

Color Contrast Check

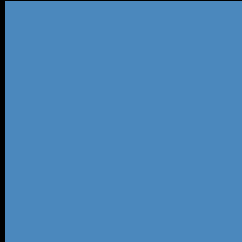
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8911, 22.7783, 51.4397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

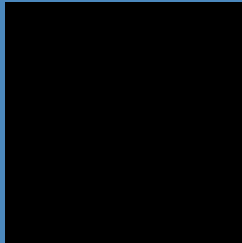
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8911, 22.7783, 51.4397

Background



This preview shows how black text looks on a background with the XYZ color 20.8911, 22.7783, 51.4397.

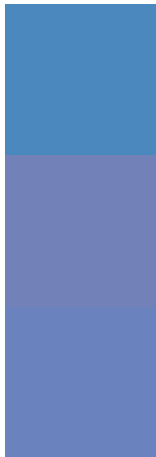


This preview shows how white text looks on a background with the XYZ color 20.8911, 22.7783,

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

20.8911, 22.7783, 51.4397

Protanopia

23.3369, 22.6968, 47.9507

Deuteranopia

23.2208, 22.7471, 51.8820



Tritanopia

17.4588, 22.9078, 34.0733

Trichromacy



Original Color

20.8911, 22.7783, 51.4397

Protanomaly

22.2638, 22.7146, 49.1099

Deuteranomaly

22.2648, 22.6531, 51.9142

Tritanomaly

18.5331, 22.6700, 39.9582

Monochromacy



Original Color

20.8911, 22.7783, 51.4397

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0083, 20.6406, 30.9992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8911, 22.7783, 51.4397 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(75, 136, 189)` looks like.

```
.text, #text, p{  
    color:rgb(75, 136, 189)  
}
```

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(75, 136, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 136, 189) }
```

Border

The CSS property to change the border of an element to XYZ 20.8911, 22.7783, 51.4397 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(75, 136, 189) }
```


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

```
.border{ border-color:rgb(75, 136, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 136, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 136, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 136, 189);  
box-shadow:4px 4px 4px 4px rgb(75, 136,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8911, 22.7783, 51.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 136, 189) }
```

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

```
.background{ background-color: rgb(75, 136,  
189) }
```

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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