

Converting Colors

XYZ(20.5322, 23.1892, 50.2821)

Have a look what the booklet for
XYZ(20.5322, 23.1892, 50.2821)
contains.

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Color

**XYZ(20.5862, 23.2820,
50.4226)**

Conversions

Conversions Part 1

Format	Color
Hex	448BBB
RGB	68, 139, 187
RGB Percent	27%, 55%, 73%
CMY	0.7333, 0.4549, 0.2667
CMYK	0.64, 0.26, 0.00, 0.27
HSL	204°, 47%, 50%
HSV	204°, 64%, 73%
XYZ	20.5862, 23.2820, 50.4226
YIQ	123.2430, -57.7240, -0.1240

Conversions

Conversions Part 2

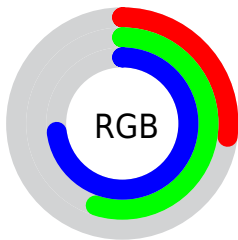
Format	Color
R_{YB}	68, 112, 187
Decimal	4492219
CIE _{Lab}	55.36, -7.32, -31.70
CIE _{LCh}	55, 32.531, 256.995
Yxy	23.2820, 0.2183, 0.2469
Android (android.graphics.Color)	4282682299 (0xFF448BBB)
YUV	123.2430, 31.4322, -48.4481
Hunter-Lab	48.2514, -8.2840, -28.1819

Details

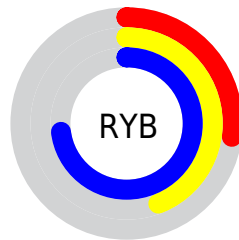
The XYZ color **20.5862, 23.2820, 50.4226** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **27.7835, 23.4747, 8.5368**, and the grayscale version is **18.8210, 19.8012, 21.5635**.

A 20% lighter version of the original color is **43.7797, 48.6824, 91.8832**, and **7.8755, 8.8660, 23.8505** is the 20% darker color. If you saturate the color by 10%, you get **18.4293, 20.6046, 50.0199**, and if you desaturate by 10%, it is **23.2361, 26.3262, 50.8710**.

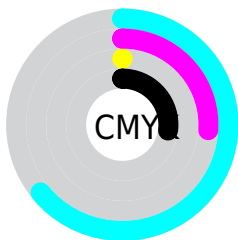
Distribution



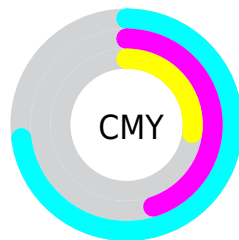
- Red (27%)
- Green (55%)
- Blue (73%)



- Red (27%)
- Yellow (44%)
- Blue (73%)



- Cyan (64%)
- Magenta (26%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5862, 23.2820, 50.4226 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 20.5862, 23.2820, 50.4226 by changing the saturation by 10% instead.

■ 20.5862, 23.2820,
50.4226

■ 20.5862, 23.2820,
50.4226

247.8447,
269.1701, 405.0986

■ 12.9326, 14.8019,
35.3758

■ 43.8943, 48.8560,
92.2034

■ 7.4588, 8.6805,
23.6666

■ 60.2795, 66.7186,
119.7745

■ 3.7995, 4.5333,
14.8766

■ 80.3060, 88.4775,
152.3575

■ 1.5894, 1.9762,
8.5872

■ 104.3391,
114.5171, 190.3708

■ 0.3855, 0.5936,
4.3798

■ 132.7442,
145.2217, 234.2330

■ 0.0000, 0.0000,
1.8359

165.8865,

■ 0.0000, 0.0000,

180.9759, 284.3627

0.4515

204.1316,
222.1639, 341.1784

■ 0.0000, 0.0000,
0.0000

■ 20.5862, 23.2820,
50.4226

■ 20.5862, 23.2820,
50.4226

■ 18.4293, 20.6046,
50.0199

■ 23.2361, 26.3262,
50.8710

■ 16.7201, 18.2672,
49.6589

■ 26.4136, 29.7562,
51.3656

■ 15.4084, 16.2421,
49.3371

■ 30.1530, 33.5920,
51.9089

■ 14.7164, 15.0813,
49.1495

■ 34.4847, 37.8513,
52.5027

■ 39.4367, 42.5507,
53.1488

■ 45.0354, 47.7057,
53.8487

■ 51.3052, 53.3307,
54.6040

■ 58.2696, 59.4398,
55.4161

■ 65.9506, 66.0462,
56.2864

Harmonies

Analogous

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



17.6772, 23.2820, 43.0812



20.5862, 23.2820, 50.4226



24.2451, 23.2820, 49.8516

Triad

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



20.5862, 23.2820, 50.4226



29.5452, 23.2820, 19.9153



17.3813, 23.2820, 13.9601

Complementary

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



20.5862, 23.2820, 50.4226



27.7835, 23.4747, 8.5368

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.



20.1394, 23.2820, 10.5731



20.5862, 23.2820, 50.4226



27.2713, 23.2820, 13.3055

Square

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



20.5862, 23.2820, 50.4226



29.6989, 23.2820, 30.1495



23.7467, 23.2820, 10.3721



15.9687, 23.2820, 21.0892

Rectangle

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



20.5862, 23.2820, 50.4226



26.6283, 23.2820, 45.0398



23.7467, 23.2820, 10.3721



18.1671, 23.2820, 12.4431

Sweetspot

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



20.5870, 23.2828, 50.4232



65.4581, 71.3328, 94.5200



23.2844, 38.0220, 22.5145



13.8685, 15.1864, 20.7429



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.



20.5870, 23.2828, 50.4232



31.8174, 35.3290, 89.3436



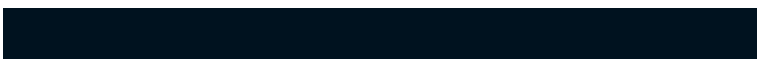
14.2160, 10.5408, 48.2995



9.4770, 10.1462, 12.1311



10.2119, 10.5356, 33.8882



0.4626, 0.5378, 1.3483

Inverse Universe

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



27.2216, 16.5642, 26.1892



45.2903, 24.7883, 39.4356



36.8871, 41.6818, 11.5713



9.7626, 9.6293, 11.1388



16.1553, 8.0933, 11.3772



0.6644, 0.3297, 0.6119

Previews

White Background



This preview shows how the XYZ color 20.5862, 23.2820, 50.4226 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 20.5862, 23.2820, 50.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

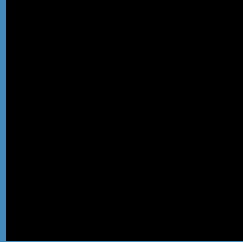
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5862, 23.2820, 50.4226

Background



This preview shows how black text looks on a background with the XYZ color 20.5862, 23.2820, 50.4226.

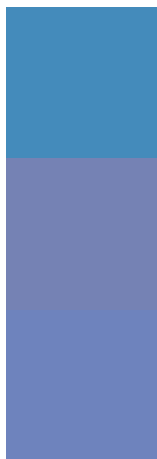


This preview shows how white text looks on a background with the XYZ color 20.5862, 23.2820,

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

20.5862, 23.2820, 50.4226

Protanopia

23.5570, 23.0425, 46.3861

Deuteranopia

23.7320, 23.2217, 51.3755



Tritanopia

17.5423, 23.3812, 35.0409

Trichromacy



Original Color

20.5862, 23.2820, 50.4226

Protanomaly

22.0804, 22.8466, 48.0458

Deuteranomaly

22.3215, 23.1139, 50.8619

Tritanomaly

18.5424, 23.3345, 40.0859

Monochromacy



Original Color

20.5862, 23.2820, 50.4226

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6321, 20.6594, 30.1998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5862, 23.2820, 50.4226 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(68, 139, 187)` looks like.

```
.text, #text, p{  
    color:rgb(68, 139, 187)  
}
```

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(68, 139, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 139, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.5862, 23.2820, 50.4226 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(68, 139, 187) }
```


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

```
.border{ border-color:rgb(68, 139, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 139, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 139, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 139, 187);  
box-shadow:4px 4px 4px 4px rgb(68, 139,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5862, 23.2820, 50.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 139, 187) }
```

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

```
.background{ background-color: rgb(68, 139,  
187) }
```

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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