

Converting Colors

XYZ(20.2989, 23.8191, 50.7885)

Have a look what the booklet for
XYZ(20.2989, 23.8191, 50.7885)
contains.

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Color

**XYZ(20.2182, 23.7461,
50.5315)**

Conversions

Conversions Part 1

Format	Color
Hex	378EBB
RGB	55, 142, 187
RGB Percent	22%, 56%, 73%
CMY	0.7843, 0.4431, 0.2667
CMYK	0.71, 0.24, 0.00, 0.27
HSL	200°, 55%, 47%
HSV	200°, 71%, 73%
XYZ	20.2182, 23.7461, 50.5315
YIQ	121.1170, -66.2970, -4.4490

Conversions

Conversions Part 2

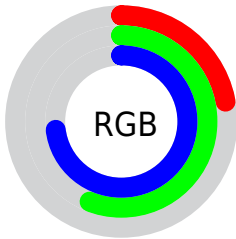
Format	Color
RYB	55, 107, 187
Decimal	3641019
CIELab	55.83, -11.15, -31.00
CIElCh	56, 32.940, 250.213
Yxy	23.7461, 0.2140, 0.2513
Android (android.graphics.Color)	4281831099 (0xFF378EBB)
YUV	121.1170, 32.4803, -57.9846
Hunter-Lab	48.7300, -11.2173, -27.3710

Details

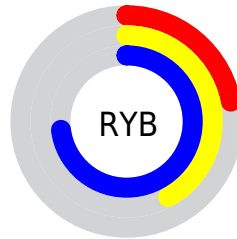
The XYZ color **20.2182, 23.7461, 50.5315** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.7414, 19.9566, 6.1108**, and the grayscale version is **18.1265, 19.0705, 20.7678**.

A 20% lighter version of the original color is **43.2537, 49.7328, 92.1137**, and **8.1302, 9.3755, 23.9354** is the 20% darker color. If you saturate the color by 10%, you get **18.4598, 21.4719, 50.1857**, and if you desaturate by 10%, it is **22.4205, 26.3305, 50.9147**.

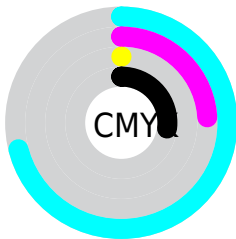
Distribution



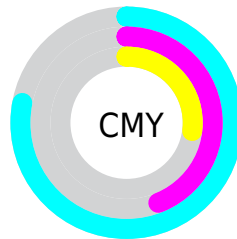
- Red (22%)
- Green (56%)
- Blue (73%)



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



- Cyan (71%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2182, 23.7461, 50.5315 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 20.2182, 23.7461, 50.5315 by changing the saturation by 10% instead.

■ 20.2182, 23.7461,
50.5315

■ 20.2182, 23.7461,
50.5315

245.9050,
271.5343, 405.5353

■ 12.6629, 15.1454,
35.4618

■ 43.2839, 49.6156,
92.3663

■ 7.2723, 8.9215,
23.7324

■ 59.5250, 67.6531,
119.9684

■ 3.6808, 4.6900,
14.9249

■ 79.3921, 89.6050,
152.5850

■ 1.5232, 2.0665,
8.6206

■ 103.2506,
115.8557, 190.6348

■ 0.3415, 0.6457,
4.4012

■ 131.4657,
146.7896, 234.5361

■ 0.0000, 0.0000,
1.8479

164.4030,

■ 0.0000, 0.0000,

182.7911, 284.7076

0.4593

202.4276,
224.2445, 341.5678

■ 0.0000, 0.0000,
0.0000

■ 20.2182, 23.7461,
50.5315

■ 20.2182, 23.7461,
50.5315

■ 18.4598, 21.4719,
50.1857

■ 22.4205, 26.3305,
50.9147

■ 17.0953, 19.4796,
49.8730

■ 25.1045, 29.2447,
51.3358

■ 16.0835, 17.8155,
49.6052

■ 28.3062, 32.5088,
51.7971

■ 32.0574, 36.1407,
52.3004

■ 36.3873, 40.1564,
52.8473

■ 41.3227, 44.5711,
53.4393

■ 46.8890, 49.3989,
54.0778

■ 53.1097, 54.6532,
54.7641

■ 60.0073, 60.3466,
55.4995

Harmonies

Analogous

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



17.5038, 23.7461, 41.5935



20.2182, 23.7461, 50.5315



23.8715, 23.7461, 51.9373

Triad

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



20.2182, 23.7461, 50.5315



30.4275, 23.7461, 22.3672



18.2312, 23.7461, 13.0843

Complementary

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



20.2182, 23.7461, 50.5315



25.7414, 19.9566, 6.1108

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.



21.3166, 23.7461, 10.4028



20.2182, 23.7461, 50.5315



28.5299, 23.7461, 14.6920

Square

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



20.2182, 23.7461, 50.5315



30.0494, 23.7461, 33.4869



25.0974, 23.7461, 10.8961



16.4476, 23.7461, 19.4816

Rectangle

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



20.2182, 23.7461, 50.5315



26.3925, 23.7461, 48.0949



25.0974, 23.7461, 10.8961



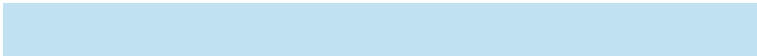
19.1356, 23.7461, 11.8112

Sweetspot

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



20.2190, 23.7469, 50.5321



64.5455, 71.3511, 94.5716



21.5989, 37.2544, 17.8583



13.7220, 15.2613, 20.7651



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.



20.2190, 23.7469, 50.5321



31.5661, 36.3312, 89.5503



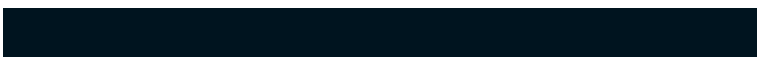
13.2001, 9.7091, 48.1925



9.5272, 10.2468, 12.1479



11.1507, 12.4131, 34.2012



0.4952, 0.6031, 1.3592

Inverse Universe

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



26.7429, 15.2511, 27.1262



44.7962, 23.1843, 41.1690



34.6390, 37.7518, 9.0767



9.7880, 9.6395, 11.2725



16.6291, 8.2828, 13.8724



0.6809, 0.3362, 0.6987

Previews

White Background



This preview shows how the XYZ color 20.2182, 23.7461, 50.5315 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 20.2182, 23.7461, 50.5315 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 20.2182, 23.7461, 50.5315

Background



This preview shows how black text looks on a background with the XYZ color 20.2182, 23.7461, 50.5315.

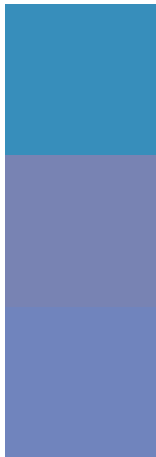


This preview shows how white text looks on a background with the XYZ color 20.2182, 23.7461,

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

20.2182, 23.7461, 50.5315

Protanopia

23.9987, 23.4803, 45.9151

Deuteranopia

24.1187, 23.6214, 51.4323



Tritanopia

17.3514, 23.7107, 36.4630

Trichromacy



Original Color

20.2182, 23.7461, 50.5315

Protanomaly

21.9313, 23.1921, 47.5766

Deuteranomaly

22.1956, 23.4633, 50.9360

Tritanomaly

18.2417, 23.6076, 41.1314

Monochromacy



Original Color

20.2182, 23.7461, 50.5315

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8909, 20.2862, 29.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2182, 23.7461, 50.5315 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(55, 142, 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(55, 142, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 142, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.2182, 23.7461, 50.5315 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, 187) }
```


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

```
.border{ border-color:rgb(55, 142, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 142, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 142, 187);  
box-shadow:4px 4px 4px 4px rgb(55, 142,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2182, 23.7461, 50.5315 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, 187) }
```

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

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