

Converting Colors

XYZ(22.8158, 25.9846, 50.8267)

Have a look what the booklet for
XYZ(22.8158, 25.9846, 50.8267)
contains.

XYZ(22.8158, 25.9846, 50.8267)	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(22.8158, 25.9846,
50.8267)**

Conversions

Conversions Part 1

Format	Color
Hex	5392BB
RGB	83, 146, 187
RGB Percent	33%, 57%, 73%
CMY	0.6745, 0.4274, 0.2667
CMYK	0.56, 0.22, 0.00, 0.27
HSL	204°, 43%, 53%
HSV	204°, 56%, 73%
XYZ	22.8158, 25.9846, 50.8267
YIQ	131.8370, -50.7090, -0.6050

Conversions

Conversions Part 2

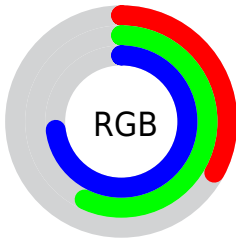
Format	Color
R_{YB}	83, 122, 187
Decimal	5477051
CIE _{Lab}	58.02, -8.32, -27.52
CIE _{LCh}	58, 28.751, 253.182
Yxy	25.9846, 0.2290, 0.2608
Android (android.graphics.Color)	4283667131 (0xFF5392BB)
YUV	131.8370, 27.1954, -42.8300
Hunter-Lab	50.9751, -9.3121, -23.4348

Details

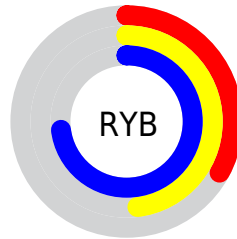
The XYZ color **22.8158, 25.9846, 50.8267** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.2634, 25.6058, 11.5847**, and the grayscale version is **21.7926, 22.9275, 24.9680**.

A 20% lighter version of the original color is **47.4794, 53.2686, 92.5735**, and **8.6671, 10.1803, 24.0625** is the 20% darker color. If you saturate the color by 10%, you get **20.2831, 23.0464, 50.3935**, and if you desaturate by 10%, it is **25.8685, 29.3007, 51.3064**.

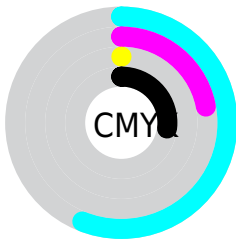
Distribution



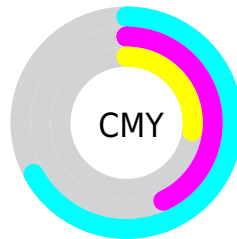
- Red (33%)
- Green (57%)
- Blue (73%)



- Red (33%)
- Yellow (48%)
- Blue (73%)



- Cyan (56%)
- Magenta (22%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (43%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8158, 25.9846, 50.8267 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 22.8158, 25.9846, 50.8267 by changing the saturation by 10% instead.

■ 22.8158, 25.9846,
50.8267

■ 22.8158, 25.9846,
50.8267

259.3305,
282.7065, 406.7174

■ 14.5775, 16.8121,
35.6949

■ 47.5596, 53.2501,
92.8074

■ 8.6078, 10.1006,
23.9109

■ 64.7958, 72.1119,
120.4935

■ 4.5413, 5.4657,
15.0559

■ 85.7620, 94.9723,
153.2014

■ 2.0127, 2.5230,
8.7116

■ 110.8235,
122.2156, 191.3497

■ 0.6411, 0.8881,
4.4593

140.3458,
154.2263, 235.3569

■ 0.0000, 0.0000,
1.8805

174.6942,

■ 0.0000, 0.0000,

191.3888, 285.6415

0.4803

214.2340,
234.0873, 342.6222

■ 0.0000, 0.0000,
0.0000

■ 22.8158, 25.9846,
50.8267

■ 22.8158, 25.9846,
50.8267

■ 20.2831, 23.0464,
50.3935

■ 25.8685, 29.3007,
51.3064

■ 18.2297, 20.4615,
50.0028

■ 29.4724, 33.0113,
51.8326

■ 16.6125, 18.2062,
49.6528

■ 33.6594, 37.1351,
52.4079

■ 15.3771, 16.2503,
49.3403

■ 38.4578, 41.6887,
53.0340

■ 14.9060, 15.4604,
49.2127

■ 43.8941, 46.6876,
53.7123

■ 49.9931, 52.1464,
54.4445

■ 56.7783, 58.0789,
55.2320

■ 64.2720, 64.4983,
56.0761

■ 72.4953, 71.4172,
56.9782

Harmonies

Analogous

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



20.1421, 25.9846, 43.4986



22.8158, 25.9846, 50.8267



26.2517, 25.9846, 51.2921

Triad

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



22.8158, 25.9846, 50.8267



31.7852, 25.9846, 24.1525



20.4046, 25.9846, 16.5150

Complementary

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



22.8158, 25.9846, 50.8267



29.2634, 25.6058, 11.5847

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.



23.2061, 25.9846, 13.4605



22.8158, 25.9846, 50.8267



29.8929, 25.9846, 17.1214

Square

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



22.8158, 25.9846, 50.8267



31.6557, 25.9846, 34.1935



26.6801, 25.9846, 13.6528



18.8420, 25.9846, 23.1133

Rectangle

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



22.8158, 25.9846, 50.8267



28.5348, 25.9846, 47.5027



26.6801, 25.9846, 13.6528



21.2207, 25.9846, 15.1174

Sweetspot

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



22.8167, 25.9855, 50.8273



67.3704, 73.2533, 94.7899



24.9053, 38.8071, 24.8742



14.4432, 15.7617, 20.8236



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.



22.8167, 25.9855, 50.8273



35.3407, 40.0742, 90.0738



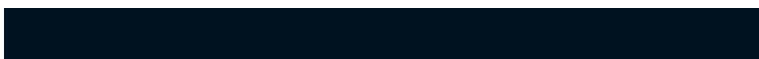
16.6421, 13.6364, 48.7691



9.4843, 10.1609, 12.1336



10.3422, 10.7962, 33.9317



0.4672, 0.5470, 1.3498

Inverse Universe

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



28.7759, 18.8276, 29.3124



47.6306, 27.8753, 45.1280



37.3596, 41.7981, 14.2835



9.7663, 9.6308, 11.1583



16.2210, 8.1196, 11.7235



0.6667, 0.3306, 0.6242

Previews

White Background



This preview shows how the XYZ color 22.8158, 25.9846, 50.8267 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 22.8158, 25.9846, 50.8267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

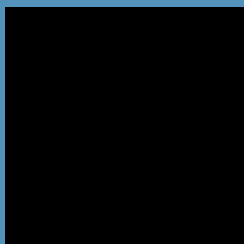
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

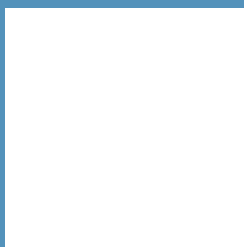
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8158, 25.9846, 50.8267

Background



This preview shows how black text looks on a background with the XYZ color 22.8158, 25.9846, 50.8267.

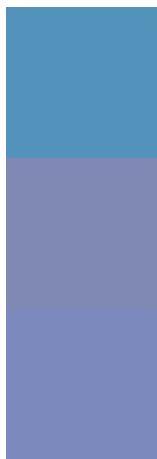


This preview shows how white text looks on a background with the XYZ color 22.8158, 25.9846,

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

22.8158, 25.9846, 50.8267

Protanopia

25.9363, 25.6986, 46.7734

Deuteranopia

26.4431, 25.8505, 51.7401



Tritanopia

20.3412, 25.9129, 38.5799

Trichromacy



Original Color

22.8158, 25.9846, 50.8267

Protanomaly

24.4809, 25.5546, 48.4420

Deuteranomaly

24.7619, 25.6382, 51.2205

Tritanomaly

21.2544, 26.0512, 42.9379

Monochromacy



Original Color

22.8158, 25.9846, 50.8267

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5526, 23.7357, 33.1513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8158, 25.9846, 50.8267 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(83, 146, 187)` looks like.

```
.text, #text, p{  
    color:rgb(83, 146, 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(83, 146, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 146, 187) }
```

Border

The CSS property to change the border of an element to XYZ 22.8158, 25.9846, 50.8267 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(83, 146, 187) }
```


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

```
.border{ border-color:rgb(83, 146, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 146, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 146, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 146, 187);  
box-shadow:4px 4px 4px 4px rgb(83, 146,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8158, 25.9846, 50.8267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 146, 187) }
```

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

```
.background{ background-color: rgb(83, 146,  
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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