

Converting Colors

XYZ(22.2267, 25.2495, 50.7292)

Have a look what the booklet for
XYZ(22.2267, 25.2495, 50.7292)
contains.

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Color

**XYZ(22.2512, 25.2398,
50.7127)**

Conversions

Conversions Part 1

Format	Color
Hex	5090BB
RGB	80, 144, 187
RGB Percent	31%, 56%, 73%
CMY	0.6862, 0.4353, 0.2667
CMYK	0.57, 0.23, 0.00, 0.27
HSL	204°, 44%, 52%
HSV	204°, 57%, 73%
XYZ	22.2512, 25.2398, 50.7127
YIQ	129.7660, -51.9470, -0.1950

Conversions

Conversions Part 2

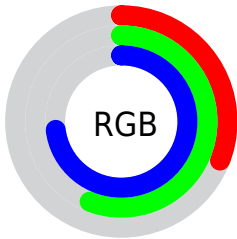
Format	Color
R _Y B	80, 120, 187
Decimal	5279931
CIE Lab	57.31, -7.83, -28.64
CIE LCh	57, 29.686, 254.717
Yxy	25.2398, 0.2266, 0.2570
Android (android.graphics.Color)	4283470011 (0xFF5090BB)
YUV	129.7660, 28.2164, -43.6448
Hunter-Lab	50.2392, -8.8601, -24.6813

Details

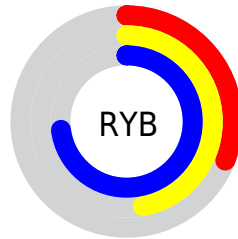
The XYZ color **22.2512, 25.2398, 50.7127** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.0255, 25.3114, 10.9464**, and the grayscale version is **21.0531, 22.1495, 24.1208**.

A 20% lighter version of the original color is **46.6883, 52.1776, 92.4046**, and **8.3558, 9.7524, 23.9963** is the 20% darker color. If you saturate the color by 10%, you get **19.7860, 22.3354, 50.2825**, and if you desaturate by 10%, it is **25.2333, 28.5240, 51.1899**.

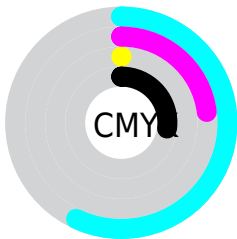
Distribution



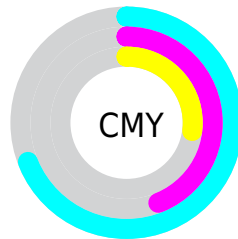
- Red (31%)
- Green (56%)
- Blue (73%)



- Red (31%)
- Yellow (47%)
- Blue (73%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (27%)



- Cyan (69%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2512, 25.2398, 50.7127 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 22.2512, 25.2398, 50.7127 by changing the saturation by 10% instead.

■ 22.2512, 25.2398,
50.7127

■ 22.2512, 25.2398,
50.7127

256.4631,
279.0301, 406.2612

■ 14.1592, 16.2558,
35.6049

■ 46.6366, 52.0460,
92.6371

■ 8.3139, 9.7053,
23.8419

■ 63.6607, 70.6370,
120.2908

■ 4.3500, 5.2040,
15.0053

■ 84.3930, 93.1990,
152.9634

■ 1.9020, 2.3675,
8.6764

■ 109.1987,
120.1167, 191.0737

■ 0.5780, 0.8091,
4.4368

138.4432,
151.7742, 235.0401

■ 0.0000, 0.0000,
1.8679

172.4918,

■ 0.0000, 0.0000,

188.5560, 285.2811

0.4722

211.7100,
230.8465, 342.2152

■ 0.0000, 0.0000,
0.0000

■ 22.2512, 25.2398,
50.7127

■ 22.2512, 25.2398,
50.7127

■ 19.7860, 22.3354,
50.2825

■ 25.2333, 28.5240,
51.1899

■ 17.7961, 19.7860,
49.8953

■ 28.7643, 32.2054,
51.7144

■ 16.2371, 17.5668,
49.5491

■ 32.8763, 36.3029,
52.2886

■ 15.0456, 15.6428,
49.2406

■ 37.5984, 40.8336,
52.9142

■ 14.7472, 15.1429,
49.1598

■ 42.9572, 45.8132,
53.5929

■ 48.9780, 51.2566,
54.3263

■ 55.6844, 57.1778,
55.1157

■ 63.0991, 63.5903,
55.9627

■ 71.2433, 70.5070,
56.8685

Harmonies

Analogous

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



19.4987, 25.2398, 43.4820



22.2512, 25.2398, 50.7127



25.7486, 25.2398, 50.7873

Triad

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



22.2512, 25.2398, 50.7127



31.1414, 25.2398, 22.8503



19.5399, 25.2398, 15.8906

Complementary

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



22.2512, 25.2398, 50.7127



29.0255, 25.3114, 10.9464

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.



22.3127, 25.2398, 12.6854



22.2512, 25.2398, 50.7127



29.1221, 25.2398, 15.9848

Square

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



22.2512, 25.2398, 50.7127



31.1208, 25.2398, 32.9086



25.8164, 25.2398, 12.7151



18.0407, 25.2398, 22.6871

Rectangle

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



22.2512, 25.2398, 50.7127



28.0501, 25.2398, 46.6693



25.8164, 25.2398, 12.7151



20.3413, 25.2398, 14.4402

Sweetspot

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



22.2521, 25.2407, 50.7133



67.2849, 73.0822, 94.7614



24.6422, 38.6719, 24.8403



14.4224, 15.7200, 20.8167



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.



22.2521, 25.2407, 50.7133



34.3184, 38.6147, 89.8460



15.9945, 12.7256, 48.6275



9.4782, 10.1486, 12.1315



10.2331, 10.5779, 33.8953



0.4633, 0.5393, 1.3485

Inverse Universe

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



28.3970, 18.3168, 28.4251



46.9717, 27.0650, 43.3443



37.5264, 42.3132, 13.7800



9.7632, 9.6296, 11.1420



16.1660, 8.0975, 11.4335



0.6648, 0.3298, 0.6139

Previews

White Background



This preview shows how the XYZ color 22.2512, 25.2398, 50.7127 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 22.2512, 25.2398, 50.7127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

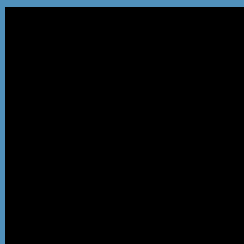
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

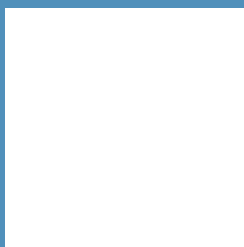
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2512, 25.2398, 50.7127

Background



This preview shows how black text looks on a background with the XYZ color 22.2512, 25.2398, 50.7127.

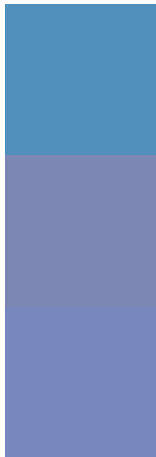


This preview shows how white text looks on a background with the XYZ color 22.2512, 25.2398,

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

22.2512, 25.2398, 50.7127

Protanopia

25.3596, 24.9832, 46.6657

Deuteranopia

25.5950, 24.9951, 51.6197



Tritanopia

19.6347, 25.3333, 37.5732

Trichromacy



Original Color

22.2512, 25.2398, 50.7127

Protanomaly

23.9424, 24.8471, 48.3338

Deuteranomaly

23.9913, 24.8111, 51.1015

Tritanomaly

20.4371, 25.1862, 41.8145

Monochromacy



Original Color

22.2512, 25.2398, 50.7127

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9320, 23.0071, 32.6157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2512, 25.2398, 50.7127 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(80, 144, 187)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 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(80, 144, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 187) }
```

Border

The CSS property to change the border of an element to XYZ 22.2512, 25.2398, 50.7127 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(80, 144, 187) }
```


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

```
.border{ border-color:rgb(80, 144, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 187);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2512, 25.2398, 50.7127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 187) }
```

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

```
.background{ background-color: rgb(80, 144,  
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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