

Converting Colors

XYZ(20.5229, 23.3906, 57.0025)

Have a look what the booklet for
XYZ(20.5229, 23.3906, 57.0025)
contains.

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Color

**XYZ(20.4462, 23.2845,
56.8428)**

Conversions

Conversions Part 1

Format	Color
Hex	288CC6
RGB	40, 140, 198
RGB Percent	16%, 55%, 78%
CMY	0.8431, 0.4510, 0.2235
CMYK	0.80, 0.29, 0.00, 0.22
HSL	202°, 66%, 47%
HSV	202°, 80%, 78%
XYZ	20.4462, 23.2845, 56.8428
YIQ	116.7120, -78.2180, -3.1620

Conversions

Conversions Part 2

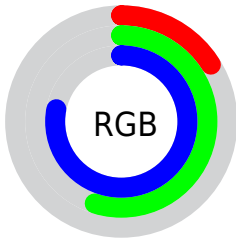
Format	Color
R_{YB}	40, 101, 198
Decimal	2657478
CIE _{Lab}	55.36, -8.01, -38.00
CIE _{LCh}	55, 38.835, 258.091
Yxy	23.2845, 0.2033, 0.2315
Android (android.graphics.Color)	4280847558 (0xFF288CC6)
YUV	116.7120, 40.0750, -67.2764
Hunter-Lab	48.2540, -8.8105, -36.0653

Details

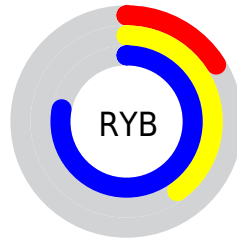
The XYZ color **20.4462, 23.2845, 56.8428** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **28.0410, 20.8970, 4.5643**, and the grayscale version is **16.7185, 17.5892, 19.1546**.

A 20% lighter version of the original color is **43.5504, 48.6749, 101.7076**, and **8.6902, 9.3259, 27.7276** is the 20% darker color. If you saturate the color by 10%, you get **18.8370, 20.9302, 56.4737**, and if you desaturate by 10%, it is **22.5212, 25.9838, 57.2549**.

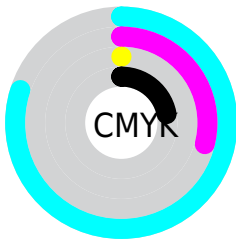
Distribution



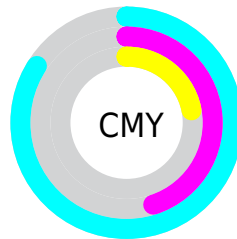
- Red (16%)
- Green (55%)
- Blue (78%)



- Red (16%)
- Yellow (40%)
- Blue (78%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4462, 23.2845, 56.8428 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 20.4462, 23.2845, 56.8428 by changing the saturation by 10% instead.

■ 20.4462, 23.2845,
56.8428

■ 20.4462, 23.2845,
56.8428

247.1083,
269.1829, 430.3372

■ 12.8299, 14.8037,
40.4705

■ 43.6623, 48.8601,
101.7338

■ 7.3877, 8.6817,
27.5890

■ 59.9928, 66.7236,
131.0897

■ 3.7542, 4.5342,
17.7798

■ 79.9588, 88.4836,
165.6104

■ 1.5641, 1.9766,
10.6242

■ 103.9256,
114.5243, 205.7147

■ 0.3688, 0.5938,
5.7037

■ 132.2586,
145.2302, 251.8209

■ 0.0000, 0.0000,
2.5999

165.3232,

■ 0.0000, 0.0000,

180.9857, 304.3478

0.8924

203.4846,
222.1751, 363.7137

■ 0.0000, 0.0000,
0.0000

■ 20.4462, 23.2845,
56.8428

■ 20.4462, 23.2845,
56.8428

■ 18.8370, 20.9302,
56.4737

■ 22.5212, 25.9838,
57.2549

■ 17.5908, 18.8649,
56.1407

■ 25.1137, 29.0556,
57.7112

■ 17.5663, 18.8236,
56.1340

■ 28.2707, 32.5264,
58.2148

■ 32.0326, 36.4190,
58.7678

■ 36.4362, 40.7540,
59.3725

■ 41.5150, 45.5504,
60.0306

■ 47.3000, 50.8260,
60.7440

■ 53.8202, 56.5974,
61.5143

■ 61.1031, 62.8804,
62.3432

Harmonies

Analogous

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



16.9913, 23.2845, 47.7431



20.4462, 23.2845, 56.8428



24.8375, 23.2845, 55.7026

Triad

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



20.4462, 23.2845, 56.8428



31.0934, 23.2845, 18.6051



16.4609, 23.2845, 12.4611

Complementary

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



20.4462, 23.2845, 56.8428



28.0410, 20.8970, 4.5643

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.



19.6290, 23.2845, 8.6953



20.4462, 23.2845, 56.8428



28.2154, 23.2845, 11.3554

Square

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



20.4462, 23.2845, 56.8428



31.3878, 23.2845, 30.6362



23.9064, 23.2845, 8.3711



14.9010, 23.2845, 20.7148

Rectangle

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



20.4462, 23.2845, 56.8428



27.7155, 23.2845, 49.3279



23.9064, 23.2845, 8.3711



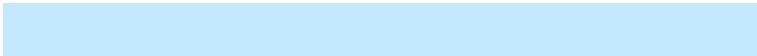
17.3525, 23.2845, 10.7642

Sweetspot

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



20.4471, 23.2853, 56.8434



69.2536, 76.6764, 105.7577



23.2718, 41.7207, 18.3674



14.1401, 15.7634, 22.5473



0.0000, 0.0000, 0.0000



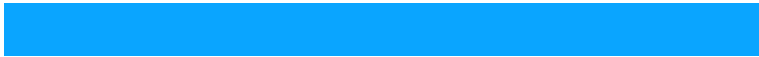
20.3446, 21.4041, 23.3091

Same Dimension

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



20.4471, 23.2853, 56.8434



31.6564, 34.2432, 99.5489



12.7417, 7.8745, 54.2749



10.6067, 11.3875, 13.5565



11.5076, 12.4092, 36.5331



0.6123, 0.7223, 1.7523

Inverse Universe

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



28.7819, 15.4179, 26.2705



48.1541, 24.2028, 37.7932



39.3816, 43.5781, 8.3445



10.9115, 10.7480, 12.5174



17.6079, 8.7927, 13.6768



0.8677, 0.4299, 0.8267

Previews

White Background



This preview shows how the XYZ color 20.4462, 23.2845, 56.8428 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 20.4462, 23.2845, 56.8428 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 20.4462, 23.2845, 56.8428

Background



This preview shows how black text looks on a background with the XYZ color 20.4462, 23.2845, 56.8428.

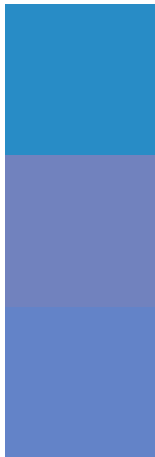


This preview shows how white text looks on a background with the XYZ color 20.4462, 23.2845,

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

20.4462, 23.2845, 56.8428

Protanopia

24.0869, 23.1937, 51.9225

Deuteranopia

23.6872, 23.0554, 57.8453



Tritanopia

16.4504, 23.0264, 35.9253

Trichromacy



Original Color

20.4462, 23.2845, 56.8428

Protanomaly

21.9885, 22.8789, 53.7092

Deuteranomaly

21.9758, 22.7934, 57.2742

Tritanomaly

17.7131, 23.0652, 43.0536

Monochromacy



Original Color

20.4462, 23.2845, 56.8428

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6417, 18.8664, 29.9586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4462, 23.2845, 56.8428 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(40, 140, 198)` looks like.

```
.text, #text, p{  
    color:rgb(40, 140, 198)  
}
```

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(40, 140, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 140, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.4462, 23.2845, 56.8428 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(40, 140, 198) }
```


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

```
.border{ border-color:rgb(40, 140, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 140, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 140, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 140, 198);  
box-shadow:4px 4px 4px 4px rgb(40, 140,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4462, 23.2845, 56.8428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 140, 198) }
```

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

```
.background{ background-color: rgb(40, 140,  
198) }
```

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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