

Converting Colors

XYZ(20.0292, 20.4142, 56.3108)

Have a look what the booklet for
XYZ(20.0292, 20.4142, 56.3108)
contains.

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Color

**XYZ(20.0292, 20.4142,
56.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	427FC6
RGB	66, 127, 198
RGB Percent	26%, 50%, 78%
CMY	0.7411, 0.5020, 0.2235
CMYK	0.67, 0.36, 0.00, 0.22
HSL	212°, 54%, 52%
HSV	212°, 67%, 78%
XYZ	20.0292, 20.4142, 56.3108
YIQ	116.8550, -59.1470, 9.1490

Conversions

Conversions Part 2

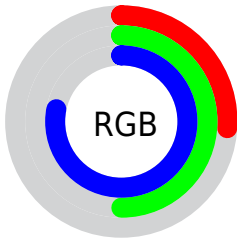
Format	Color
R _Y B	66, 108, 198
Decimal	4358086
CIE Lab	52.30, 3.13, -42.77
CIE LCh	52, 42.889, 274.190
Yxy	20.4142, 0.2070, 0.2110
Android (android.graphics.Color)	4282548166 (0xFF427FC6)
YUV	116.8550, 40.0045, -44.5998
Hunter-Lab	45.1821, 0.0604, -42.2662

Details

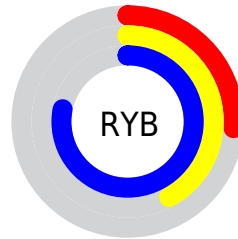
The XYZ color **20.0292, 20.4142, 56.3108** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **33.2192, 30.2928, 9.2518**, and the grayscale version is **16.7580, 17.6307, 19.1998**.

A 20% lighter version of the original color is **42.9225, 43.9722, 100.8330**, and **7.8300, 7.6056, 27.4409** is the 20% darker color. If you saturate the color by 10%, you get **17.6151, 17.2348, 55.8248**, and if you desaturate by 10%, it is **23.0519, 24.1238, 56.8679**.

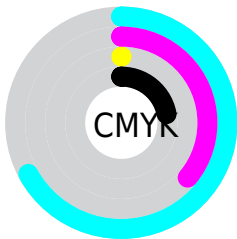
Distribution



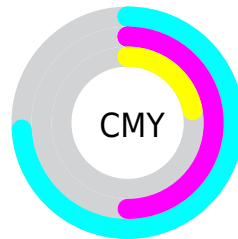
- Red (26%)
- Green (50%)
- Blue (78%)



- Red (26%)
- Yellow (42%)
- Blue (78%)



- Cyan (67%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (74%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0292, 20.4142, 56.3108 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 20.0292, 20.4142, 56.3108 by changing the saturation by 10% instead.

■ 20.0292, 20.4142,
56.3108

■ 20.0292, 20.4142,
56.3108

244.9037,
254.1487, 428.2829

■ 12.5247, 12.6965,
40.0465

■ 42.9697, 44.1105,
100.9492

■ 7.1768, 7.2199,
27.2607

■ 59.1364, 60.8579,
130.1603

■ 3.6202, 3.6000,
17.5350

■ 78.9211, 81.3840,
164.5242

■ 1.4896, 1.4524,
10.4507

■ 102.6893,
106.0732, 204.4593

■ 0.3187, 0.2549,
5.5893

■ 130.8063,
135.3099, 250.3842

■ 0.0000, 0.0000,
2.5323

163.6375,

■ 0.0000, 0.0000,

169.4784, 302.7174

0.8572

201.5482,
208.9632, 361.8774

■ 0.0000, 0.0000,
0.0000

■ 20.0292, 20.4142,
56.3108

■ 20.0292, 20.4142,
56.3108

■ 17.6151, 17.2348,
55.8248

■ 23.0519, 24.1238,
56.8679

■ 15.7528, 14.5487,
55.4045

■ 26.7279, 28.3923,
57.4981

■ 14.3725, 12.3133,
55.0457

■ 31.1004, 33.2481,
58.2049

■ 13.9767, 11.6444,
54.9375

■ 36.2075, 38.7170,
58.9913

■ 42.0846, 44.8227,
59.8601

■ 48.7646, 51.5878,
60.8138

■ 56.2784, 59.0334,
61.8549

■ 64.6554, 67.1798,
62.9858

■ 73.9231, 76.0463,
64.2088

Harmonies

Analogous

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



15.9402, 20.4142, 52.0417



20.0292, 20.4142, 56.3108



24.5689, 20.4142, 48.9757

Triad

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



20.0292, 20.4142, 56.3108



27.2966, 20.4142, 11.1831



12.7266, 20.4142, 13.2418

Complementary

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



20.0292, 20.4142, 56.3108



33.2192, 30.2928, 9.2518

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.



15.0174, 20.4142, 7.5831



20.0292, 20.4142, 56.3108



23.3343, 20.4142, 6.7494

Square

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



20.0292, 20.4142, 56.3108



29.1485, 20.4142, 20.5002



18.7902, 20.4142, 5.7393



12.1152, 20.4142, 24.0494

Rectangle

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



20.0292, 20.4142, 56.3108



27.1242, 20.4142, 39.6802



18.7902, 20.4142, 5.7393



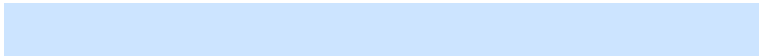
13.3067, 20.4142, 10.8309

Sweetspot

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



20.0300, 20.4149, 56.3113



70.5762, 75.3062, 105.4235



26.9143, 43.3361, 30.3896



14.4714, 15.4589, 22.4711



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.



20.0300, 20.4149, 56.3113



29.5816, 28.2565, 98.5027



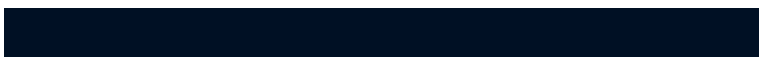
14.6971, 9.2919, 54.4454



10.4538, 11.0817, 13.5055



9.1730, 7.7400, 35.7549



0.5066, 0.5110, 1.7171

Inverse Universe

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



29.0684, 17.4356, 21.9125



47.5553, 25.6803, 29.3467



43.3237, 52.1986, 12.9474



10.8343, 10.7171, 12.1109



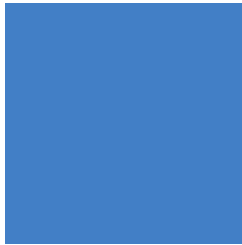
16.4295, 8.3213, 7.4714



0.8144, 0.4086, 0.5458

Previews

White Background



This preview shows how the XYZ color 20.0292, 20.4142, 56.3108 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 20.0292, 20.4142, 56.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

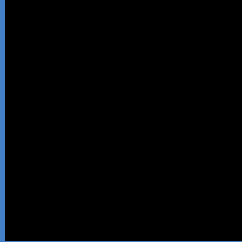
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0292, 20.4142, 56.3108

Background



This preview shows how black text looks on a background with the XYZ color 20.0292, 20.4142, 56.3108.



This preview shows how white text looks on a background with the XYZ color 20.0292, 20.4142,

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

20.0292, 20.4142, 56.3108

Protanopia

21.6222, 20.3660, 53.2435

Deuteranopia

20.9098, 20.2882, 56.8468



Tritanopia

14.9506, 20.3695, 31.1607

Trichromacy



Original Color

20.0292, 20.4142, 56.3108

Protanomaly

20.8957, 20.3339, 54.4533

Deuteranomaly

20.6229, 20.3273, 56.8694

Tritanomaly

16.3972, 20.1091, 39.0936

Monochromacy



Original Color

20.0292, 20.4142, 56.3108

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.0627, 18.3467, 29.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0292, 20.4142, 56.3108 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(66, 127, 198)` looks like.

```
.text, #text, p{  
    color:rgb(66, 127, 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(66, 127, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 127, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.0292, 20.4142, 56.3108 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(66, 127, 198) }
```


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

```
.border{ border-color:rgb(66, 127, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 127, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 127, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 127, 198);  
box-shadow:4px 4px 4px 4px rgb(66, 127,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0292, 20.4142, 56.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 127, 198) }
```

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

```
.background{ background-color: rgb(66, 127,  
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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