

Converting Colors

XYZ(20.2712, 19.9744, 56.8660)

Have a look what the booklet for
XYZ(20.2712, 19.9744, 56.8660)
contains.

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Color

**XYZ(20.2641, 19.9553,
56.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	497CC7
RGB	73, 124, 199
RGB Percent	29%, 49%, 78%
CMY	0.7137, 0.5137, 0.2196
CMYK	0.63, 0.38, 0.00, 0.22
HSL	216°, 53%, 53%
HSV	216°, 63%, 78%
XYZ	20.2641, 19.9553, 56.8166
YIQ	117.3010, -54.4710, 12.5130

Conversions

Conversions Part 2

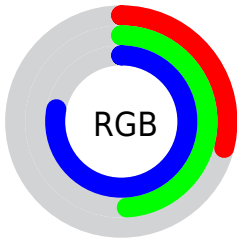
Format	Color
R_{YB}	73, 109, 199
Decimal	4816071
CIE _{Lab}	51.79, 6.51, -44.14
CIE _{LCh}	52, 44.620, 278.395
Yxy	19.9553, 0.2088, 0.2056
Android (android.graphics.Color)	4283006151 (0xFF497CC7)
YUV	117.3010, 40.2776, -38.8520
Hunter-Lab	44.6714, 2.7974, -44.1398

Details

The XYZ color **20.2641, 19.9553, 56.8166** 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 **35.3470, 33.8050, 10.9665**, and the grayscale version is **16.8937, 17.7735, 19.3554**.

A 20% lighter version of the original color is **43.0911, 43.1762, 100.6704**, and **7.6953, 7.2132, 27.7748** is the 20% darker color. If you saturate the color by 10%, you get **17.5941, 16.5061, 56.2920**, and if you desaturate by 10%, it is **23.5963, 24.0112, 57.4243**.

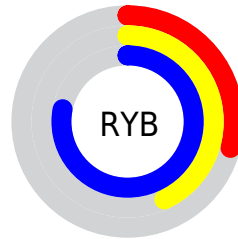
Distribution



Red (29%)

Green (49%)

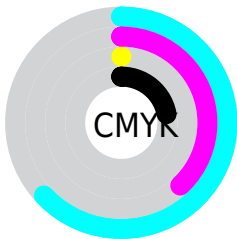
Blue (78%)



Red (29%)

Yellow (43%)

Blue (78%)

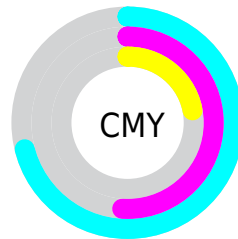


Cyan (63%)

Magenta (38%)

Yellow (0%)

Black (22%)



Cyan (71%)

Magenta (51%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2641, 19.9553, 56.8166 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 20.2641, 19.9553, 56.8166 by changing the saturation by 10% instead.

■ 20.2641, 19.9553,
56.8166

■ 20.2641, 19.9553,
56.8166

246.1477,
251.6730, 430.2362

■ 12.6965, 12.3626,
40.4496

■ 43.3601, 43.3422,
101.6952

■ 7.2955, 6.9911,
27.5728

■ 59.6192, 59.9052,
131.0439

■ 3.6955, 3.4565,
17.7677

■ 79.5063, 80.2270,
165.5570

■ 1.5314, 1.3745,
10.6156

■ 103.3866,
104.6921, 205.6529

■ 0.3470, 0.1978,
5.6981

■ 131.6256,
133.6849, 251.7503

■ 0.0000, 0.0000,
2.5966

164.5885,

■ 0.0000, 0.0000,

167.5897, 304.2676

0.8907

202.6407,
206.7909, 363.6234

■ 0.0000, 0.0000,
0.0000

■ 20.2641, 19.9553,
56.8166

■ 20.2641, 19.9553,
56.8166

■ 17.5941, 16.5061,
56.2920

■ 23.5963, 24.0112,
57.4243

■ 15.5297, 13.6242,
55.8445

■ 27.6359, 28.7051,
58.1174

■ 14.0074, 11.2674,
55.4699

■ 32.4265, 34.0682,
58.9001

■ 13.2175, 9.9408,
55.2554

■ 38.0073, 40.1289,
59.7758

■ 44.4146, 46.9136,
60.7476

■ 51.6824, 54.4474,
61.8187

■ 59.8427, 62.7539,
62.9920

■ 68.9257, 71.8557,
64.2701

■ 78.9603, 81.7744,
65.6557

Harmonies

Analogous

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



15.9440, 19.9553, 54.0505



20.2641, 19.9553, 56.8166



24.8919, 19.9553, 47.6505

Triad

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



20.2641, 19.9553, 56.8166



26.6249, 19.9553, 9.6469



11.9807, 19.9553, 13.7926

Complementary

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



20.2641, 19.9553, 56.8166



35.3470, 33.8050, 10.9665

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.



14.0657, 19.9553, 7.4776



20.2641, 19.9553, 56.8166



22.3497, 19.9553, 5.8314

Square

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



20.2641, 19.9553, 56.8166



28.9274, 19.9553, 18.2933



17.7263, 19.9553, 5.2364



11.6038, 19.9553, 25.5677

Rectangle

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



20.2641, 19.9553, 56.8166



27.3719, 19.9553, 37.5530



17.7263, 19.9553, 5.2364



12.4870, 19.9553, 11.1215

Sweetspot

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



20.2649, 19.9560, 56.8171



70.8964, 74.9003, 105.3283



28.3993, 44.3549, 34.4644



14.5000, 15.3132, 22.4414



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.



20.2649, 19.9560, 56.8171



29.3122, 26.8692, 98.2491



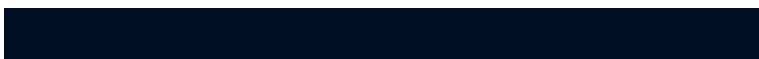
16.3040, 10.7516, 55.2493



10.4032, 10.9805, 13.4886



8.5801, 6.5542, 35.5572



0.4770, 0.4518, 1.7072

Inverse Universe

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



29.5746, 18.3634, 21.0550



47.6265, 26.5017, 27.2766



42.4892, 52.0835, 14.1182



10.8088, 10.7069, 11.9764



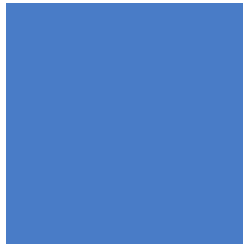
16.1302, 8.2016, 5.8955



0.7995, 0.4026, 0.4672

Previews

White Background



This preview shows how the XYZ color 20.2641, 19.9553, 56.8166 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 20.2641, 19.9553, 56.8166 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 20.2641, 19.9553, 56.8166

Background



This preview shows how black text looks on a background with the XYZ color 20.2641, 19.9553, 56.8166.



This preview shows how white text looks on a background with the XYZ color 20.2641, 19.9553,

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

20.2641, 19.9553, 56.8166

Protanopia

21.2964, 19.7981, 54.9235

Deuteranopia

20.4523, 19.8672, 56.7896



Tritanopia

14.9345, 19.9612, 30.2599

Trichromacy



Original Color

20.2641, 19.9553, 56.8166

Protanomaly

20.7532, 19.6844, 55.5290

Deuteranomaly

20.3723, 19.8259, 56.7859

Tritanomaly

16.4834, 19.7614, 38.5429

Monochromacy



Original Color

20.2641, 19.9553, 56.8166

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3498, 18.3062, 30.2228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2641, 19.9553, 56.8166 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(73, 124, 199)` looks like.

```
.text, #text, p{  
    color:rgb(73, 124, 199)  
}
```

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(73, 124, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 124, 199) }
```

Border

The CSS property to change the border of an element to XYZ 20.2641, 19.9553, 56.8166 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(73, 124, 199) }
```


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

```
.border{ border-color:rgb(73, 124, 199) }
```

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

Here you see how a box with a 4 pixel rgb(73, 124, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 124, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 124, 199);  
box-shadow:4px 4px 4px 4px rgb(73, 124,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2641, 19.9553, 56.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 124, 199) }
```

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

```
.background{ background-color: rgb(73, 124,  
199) }
```

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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