

Converting Colors

XYZ(20.1036, 20.7364, 52.2332)

Have a look what the booklet for
XYZ(20.1036, 20.7364, 52.2332)
contains.

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Color

**XYZ(20.1036, 20.7364,
52.2332)**

Conversions

Conversions Part 1

Format	Color
Hex	4C80BF
RGB	76, 128, 191
RGB Percent	30%, 50%, 75%
CMY	0.7019, 0.4980, 0.2510
CMYK	0.60, 0.33, 0.00, 0.25
HSL	213°, 47%, 52%
HSV	213°, 60%, 75%
XYZ	20.1036, 20.7364, 52.2332
YIQ	119.6340, -51.2150, 8.5690

Conversions

Conversions Part 2

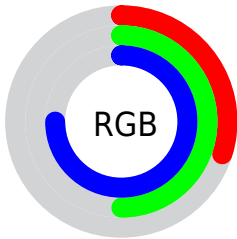
Format	Color
RYB	76, 112, 191
Decimal	5013695
CIELab	52.66, 1.96, -38.19
CIELCh	53, 38.235, 272.939
Yxy	20.7364, 0.2160, 0.2228
Android (android.graphics.Color)	4283203775 (0xFF4C80BF)
YUV	119.6340, 35.1834, -38.2670
Hunter-Lab	45.5372, -0.8867, -36.1322

Details

The XYZ color **20.1036, 20.7364, 52.2332** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **32.0241, 30.0650, 10.9538**, and the grayscale version is **17.6398, 18.5584, 20.2101**.

A 20% lighter version of the original color is **43.2987, 44.8934, 95.1901**, and **7.3113, 7.3981, 24.7095** is the 20% darker color. If you saturate the color by 10%, you get **17.5101, 17.4770, 51.7412**, and if you desaturate by 10%, it is **23.2898, 24.5110, 52.7943**.

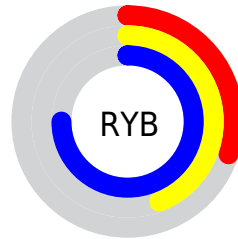
Distribution



Red (30%)

Green (50%)

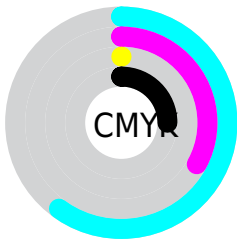
Blue (75%)



Red (30%)

Yellow (44%)

Blue (75%)

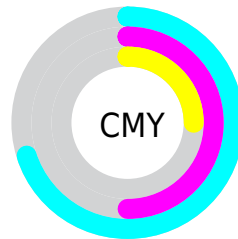


Cyan (60%)

Magenta (33%)

Yellow (0%)

Black (25%)



Cyan (70%)

Magenta (50%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1036, 20.7364, 52.2332 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 20.1036, 20.7364, 52.2332 by changing the saturation by 10% instead.

■ 20.1036, 20.7364,
52.2332

■ 20.1036, 20.7364,
52.2332

245.2983,
255.8743, 412.3188

■ 12.5791, 12.9315,
36.8075

■ 43.0934, 44.6484,
94.9052

■ 7.2143, 7.3814,
24.7638

■ 59.2894, 61.5243,
122.9884

■ 3.6440, 3.7017,
15.6838

■ 79.1067, 82.1926,
156.1280

■ 1.5028, 1.5082,
9.1487

■ 102.9104,
107.0377, 194.7424

■ 0.3277, 0.2945,
4.7402

■ 131.0661,
136.4440, 239.2501

■ 0.0000, 0.0000,
2.0396

163.9391,

■ 0.0000, 0.0000,

170.7960, 290.0697

0.5795

201.8947,
210.4779, 347.6198

■ 0.0000, 0.0000,
0.0000

■ 20.1036, 20.7364,
52.2332

■ 20.1036, 20.7364,
52.2332

■ 17.5101, 17.4770,
51.7412

■ 23.2898, 24.5110,
52.7943

■ 15.4616, 14.7008,
51.3133

■ 27.1065, 28.8254,
53.4259

■ 13.9057, 12.3746,
50.9463

■ 31.5911, 33.7048,
54.1313

■ 12.7609, 10.4753,
50.6400

■ 36.7770, 39.1721,
54.9133

■ 42.6952, 45.2486,
55.7743

■ 49.3748, 51.9547,
56.7166

■ 56.8434, 59.3093,
57.7425

■ 65.1269, 67.3310,
58.8543

■ 74.2503, 76.0370,
60.0539

Harmonies

Analogous

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



16.4342, 20.7364, 48.2024



20.1036, 20.7364, 52.2332



24.1617, 20.7364, 46.3664

Triad

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



20.1036, 20.7364, 52.2332



26.8408, 20.7364, 12.6493



13.6592, 20.7364, 14.0162

Complementary

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



20.1036, 20.7364, 52.2332



32.0241, 30.0650, 10.9538

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.



15.8405, 20.7364, 8.7448



20.1036, 20.7364, 52.2332



23.3929, 20.7364, 8.1622

Square

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



20.1036, 20.7364, 52.2332



28.3651, 20.7364, 21.4752



19.3202, 20.7364, 7.0193



13.0223, 20.7364, 23.7188

Rectangle

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



20.1036, 20.7364, 52.2332



26.4554, 20.7364, 38.4966



19.3202, 20.7364, 7.0193



14.2202, 20.7364, 11.7934

Sweetspot

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



20.1044, 20.7371, 52.2337



67.8007, 72.1624, 98.6344



26.1514, 40.6145, 30.2547



14.2416, 15.1744, 21.5636



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.1044, 20.7371, 52.2337



30.1870, 29.7554, 92.4315



15.2835, 10.6297, 50.5369



9.3622, 9.9167, 12.0929



8.4645, 7.0406, 33.3058



0.3969, 0.4065, 1.3264

Inverse Universe

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



27.9673, 17.8047, 22.3852



46.1130, 26.3210, 31.4130



40.4702, 48.3698, 14.0418



9.7047, 9.6062, 10.8338



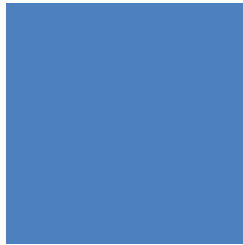
15.2732, 7.7404, 6.7324



0.6313, 0.3164, 0.4375

Previews

White Background



This preview shows how the XYZ color 20.1036, 20.7364, 52.2332 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 20.1036, 20.7364, 52.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

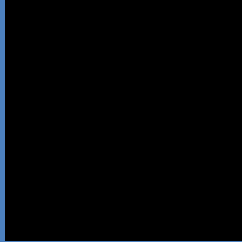
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1036, 20.7364, 52.2332

Background



This preview shows how black text looks on a background with the XYZ color 20.1036, 20.7364, 52.2332.

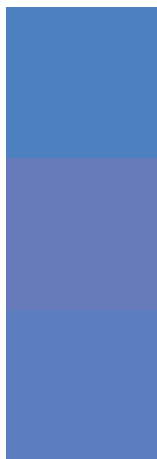


This preview shows how white text looks on a background with the XYZ color 20.1036, 20.7364,

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

20.1036, 20.7364, 52.2332

Protanopia

21.6461, 20.6373, 49.8562

Deuteranopia

21.2617, 20.7483, 52.7534



Tritanopia

15.9218, 20.8702, 31.2062

Trichromacy



Original Color

20.1036, 20.7364, 52.2332

Protanomaly

20.9249, 20.6252, 50.4552

Deuteranomaly

20.8130, 20.7059, 52.7688

Tritanomaly

17.2758, 20.7873, 38.2238

Monochromacy



Original Color

20.1036, 20.7364, 52.2332

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9802, 19.1843, 29.9494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1036, 20.7364, 52.2332 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(76, 128, 191)` looks like.

```
.text, #text, p{  
    color:rgb(76, 128, 191)  
}
```

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(76, 128, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 191) }
```

Border

The CSS property to change the border of an element to XYZ 20.1036, 20.7364, 52.2332 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(76, 128, 191) }
```


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

```
.border{ border-color:rgb(76, 128, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 128, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 191);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1036, 20.7364, 52.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 128, 191) }
```

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

```
.background{ background-color: rgb(76, 128,  
191) }
```

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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