

Converting Colors

XYZ(20.8712, 24.2797, 51.7305)

Have a look what the booklet for
XYZ(20.8712, 24.2797, 51.7305)
contains.

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Color

**XYZ(20.8712, 24.2797,
51.7305)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8FBD
RGB	60, 143, 189
RGB Percent	24%, 56%, 74%
CMY	0.7647, 0.4392, 0.2588
CMYK	0.68, 0.24, 0.00, 0.26
HSL	201°, 52%, 49%
HSV	201°, 68%, 74%
XYZ	20.8712, 24.2797, 51.7305
YIQ	123.4270, -64.2340, -3.2900

Conversions

Conversions Part 2

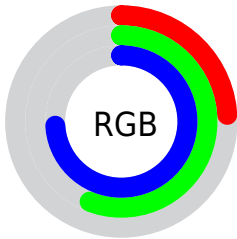
Format	Color
R_{YB}	60, 111, 189
Decimal	3968957
CIE _{Lab}	56.37, -10.27, -31.29
CIE _{LCh}	56, 32.933, 251.823
Yxy	24.2797, 0.2154, 0.2506
Android (android.graphics.Color)	4282159037 (0xFF3C8FBD)
YUV	123.4270, 32.3275, -55.6255
Hunter-Lab	49.2744, -10.6229, -27.7532

Details

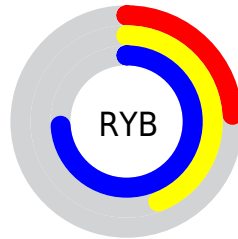
The XYZ color **20.8712, 24.2797, 51.7305** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.9569, 21.4545, 6.9963**, and the grayscale version is **18.8804, 19.8636, 21.6315**.

A 20% lighter version of the original color is **44.3328, 50.5900, 93.8145**, and **8.2875, 9.5780, 24.3336** is the 20% darker color. If you saturate the color by 10%, you get **18.9453, 21.8301, 51.3597**, and if you desaturate by 10%, it is **23.2673, 27.0628, 52.1419**.

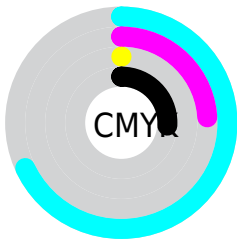
Distribution



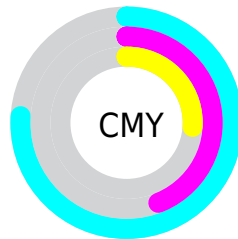
- Red (24%)
- Green (56%)
- Blue (74%)



- Red (24%)
- Yellow (44%)
- Blue (74%)



- Cyan (68%)
- Magenta (24%)
- Yellow (0%)
- Black (26%)



- Cyan (76%)
- Magenta (44%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8712, 24.2797, 51.7305 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 20.8712, 24.2797, 51.7305 by changing the saturation by 10% instead.

■ 20.8712, 24.2797,
51.7305

■ 20.8712, 24.2797,
51.7305

249.3379,
274.2315, 410.3226

■ 13.1418, 15.5412,
36.4095

■ 44.3660, 50.4862,
94.1562

■ 7.6039, 9.2001,
24.4585

■ 60.8621, 68.7231,
122.0980

■ 3.8922, 4.8719,
15.4587

■ 81.0111, 90.8949,
155.0839

■ 1.6414, 2.1723,
8.9918

■ 105.1784,
117.3860, 193.5323

■ 0.4191, 0.7048,
4.6391

■ 133.7294,
148.5808, 237.8619

■ 0.0000, 0.0000,
1.9821

167.0294,

■ 0.0000, 0.0000,

184.8638, 288.4911

0.5442

205.4438,
226.6192, 345.8385

■ 0.0000, 0.0000,
0.0000

■ 20.8712, 24.2797,
51.7305

■ 20.8712, 24.2797,
51.7305

■ 18.9453, 21.8301,
51.3597

■ 23.2673, 27.0628,
52.1419

■ 17.4401, 19.6856,
51.0251

■ 26.1710, 30.1989,
52.5942

■ 16.2828, 17.8076,
50.7236

■ 29.6187, 33.7088,
53.0899

■ 16.0964, 17.4961,
50.6733

■ 33.6424, 37.6103,
53.6309

■ 38.2716, 41.9202,
54.2188

■ 43.5336, 46.6538,
54.8552

■ 49.4540, 51.8257,
55.5414

■ 56.0569, 57.4497,
56.2790

■ 63.3650, 63.5389,
57.0691

Harmonies

Analogous

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



18.0474, 24.2797, 42.9971



20.8712, 24.2797, 51.7305



24.6074, 24.2797, 52.6757

Triad

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



20.8712, 24.2797, 51.7305



30.9964, 24.2797, 22.3751



18.5380, 24.2797, 13.7037

Complementary

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



20.8712, 24.2797, 51.7305



26.9569, 21.4545, 6.9963

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.



21.6116, 24.2797, 10.7844



20.8712, 24.2797, 51.7305



28.9640, 24.2797, 14.7899

Square

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



20.8712, 24.2797, 51.7305



30.7418, 24.2797, 33.5193



25.4333, 24.2797, 11.1181



16.8057, 24.2797, 20.4291

Rectangle

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



20.8712, 24.2797, 51.7305



27.1500, 24.2797, 48.5110



25.4333, 24.2797, 11.1181



19.4334, 24.2797, 12.3403

Sweetspot

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



20.8720, 24.2806, 51.7311



66.7367, 73.4196, 96.8802



22.6194, 38.3795, 19.6222



13.8402, 15.3152, 20.7692



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.



20.8720, 24.2806, 51.7311



32.4778, 37.0882, 91.6732



13.8710, 10.2785, 49.3974



9.5146, 10.2215, 12.1437



10.9043, 11.9203, 34.1190



0.4868, 0.5862, 1.3563

Inverse Universe

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



27.5608, 16.0346, 27.6298



46.0535, 24.2082, 41.8913



36.1118, 39.7643, 10.0479



9.7816, 9.6369, 11.2388



16.5047, 8.2330, 13.2175



0.6766, 0.3345, 0.6763

Previews

White Background



This preview shows how the XYZ color 20.8712, 24.2797, 51.7305 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 20.8712, 24.2797, 51.7305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

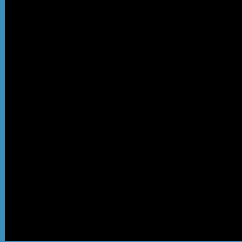
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8712, 24.2797, 51.7305

Background



This preview shows how black text looks on a background with the XYZ color 20.8712, 24.2797, 51.7305.

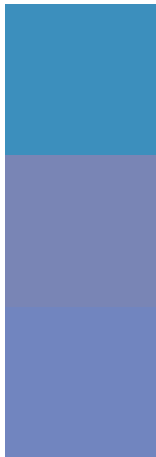


This preview shows how white text looks on a background with the XYZ color 20.8712, 24.2797,

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

20.8712, 24.2797, 51.7305

Protanopia

24.6132, 24.1762, 47.0853

Deuteranopia

24.6016, 24.0474, 52.6352



Tritanopia

17.8899, 24.2101, 36.9878

Trichromacy



Original Color

20.8712, 24.2797, 51.7305

Protanomaly

22.7430, 24.0047, 48.7821

Deuteranomaly

22.8560, 23.9887, 52.1408

Tritanomaly

18.8962, 24.1510, 42.1938

Monochromacy



Original Color

20.8712, 24.2797, 51.7305

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5046, 20.7812, 30.6396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8712, 24.2797, 51.7305 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(60, 143, 189)` looks like.

```
.text, #text, p{  
    color:rgb(60, 143, 189)  
}
```

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(60, 143, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 143, 189) }
```

Border

The CSS property to change the border of an element to XYZ 20.8712, 24.2797, 51.7305 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(60, 143, 189) }
```


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

```
.border{ border-color:rgb(60, 143, 189) }
```

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

Here you see how a box with a 4 pixel rgb(60, 143, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 143, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 143, 189);  
box-shadow:4px 4px 4px 4px rgb(60, 143,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8712, 24.2797, 51.7305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 143, 189) }
```

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

```
.background{ background-color: rgb(60, 143,  
189) }
```

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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