

Converting Colors

XYZ(20.3500, 23.9186, 51.9991)

Have a look what the booklet for
XYZ(20.3500, 23.9186, 51.9991)
contains.

XYZ(20.4820, 24.0664, 52.2810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4820, 24.0664,
52.2810)**

Conversions

Conversions Part 1

Format	Color
Hex	338FBE
RGB	51, 143, 190
RGB Percent	20%, 56%, 75%
CMY	0.8000, 0.4392, 0.2549
CMYK	0.73, 0.25, 0.00, 0.25
HSL	200°, 58%, 47%
HSV	200°, 73%, 75%
XYZ	20.4820, 24.0664, 52.2810
YIQ	120.8500, -69.9190, -4.8870

Conversions

Conversions Part 2

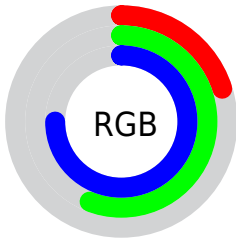
Format	Color
R_{YB}	51, 106, 190
Decimal	3379134
CIE _{Lab}	56.15, -11.24, -32.21
CIE _{LCh}	56, 34.114, 250.755
Yxy	24.0664, 0.2115, 0.2485
Android (android.graphics.Color)	4281569214 (0xFF338FBE)
YUV	120.8500, 34.0910, -61.2584
Hunter-Lab	49.0575, -11.3251, -28.8456

Details

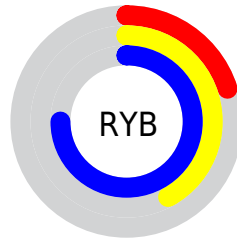
The XYZ color **20.4820, 24.0664, 52.2810** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.2018, 19.9236, 5.5979**, and the grayscale version is **18.0365, 18.9758, 20.6647**.

A 20% lighter version of the original color is **43.8250, 50.2927, 95.3933**, and **8.3583, 9.6063, 24.7062** is the 20% darker color. If you saturate the color by 10%, you get **18.7760, 21.7962, 51.9332**, and if you desaturate by 10%, it is **22.6360, 26.6503, 52.6667**.

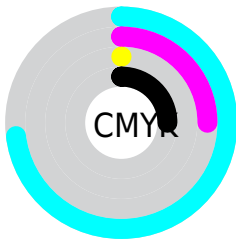
Distribution



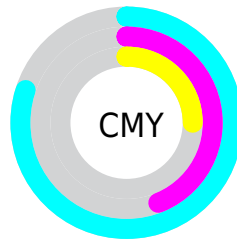
- Red (20%)
- Green (56%)
- Blue (75%)



- Red (20%)
- Yellow (42%)
- Blue (75%)



- Cyan (73%)
- Magenta (25%)
- Yellow (0%)
- Black (25%)



- Cyan (80%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4820, 24.0664, 52.2810 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 20.4820, 24.0664, 52.2810 by changing the saturation by 10% instead.

■ 20.4820, 24.0664,
52.2810

■ 20.4820, 24.0664,
52.2810

247.2968,
273.1560, 412.5082

■ 12.8562, 15.3829,
36.8453

■ 43.7216, 50.1385,
94.9763

■ 7.4059, 9.0885,
24.7929

■ 60.0662, 68.2959,
123.0730

■ 3.7658, 4.7990,
15.7052

■ 80.0477, 90.3801,
156.2272

■ 1.5705, 2.1298,
9.1637

■ 104.0314,
116.7754, 194.8573

■ 0.3731, 0.6813,
4.7498

■ 132.3829,
147.8663, 239.3819

■ 0.0000, 0.0000,
2.0451

165.4674,

■ 0.0000, 0.0000,

184.0370, 290.2196

0.5828

203.6502,
225.6722, 347.7889

■ 0.0000, 0.0000,
0.0000

■ 20.4820, 24.0664,
52.2810

■ 20.4820, 24.0664,
52.2810

■ 18.7760, 21.7962,
51.9332

■ 22.6360, 26.6503,
52.6667

■ 17.4634, 19.8091,
51.6188

■ 25.2788, 29.5692,
53.0908

■ 16.7236, 18.5762,
51.4199

■ 28.4491, 32.8446,
53.5559

■ 32.1808, 36.4954,
54.0639

■ 36.5049, 40.5387,
54.6165

■ 41.4498, 44.9905,
55.2151

■ 47.0423, 49.8655,
55.8613

■ 53.3071, 55.1779,
56.5565

■ 60.2680, 60.9410,
57.3020

Harmonies

Analogous

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



17.6331, 24.0664, 42.9472



20.4820, 24.0664, 52.2810



24.3080, 24.0664, 53.6010

Triad

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



20.4820, 24.0664, 52.2810



31.0949, 24.0664, 22.3837



18.3039, 24.0664, 13.0316

Complementary

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



20.4820, 24.0664, 52.2810



26.2018, 19.9236, 5.5979

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.



21.4983, 24.0664, 10.2188



20.4820, 24.0664, 52.2810



29.0632, 24.0664, 14.5000

Square

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



20.4820, 24.0664, 52.2810



30.7423, 24.0664, 33.9712



25.4462, 24.0664, 10.6660



16.4784, 24.0664, 19.7217

Rectangle

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



20.4820, 24.0664, 52.2810



26.9435, 24.0664, 49.4384



25.4462, 24.0664, 10.6660



19.2371, 24.0664, 11.7014

Sweetspot

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



20.4828, 24.0672, 52.2816



66.8230, 74.0761, 99.0553



21.9530, 38.4008, 17.6478



14.1718, 15.8053, 21.6891



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.



20.4828, 24.0672, 52.2816



32.4558, 37.1823, 93.7454



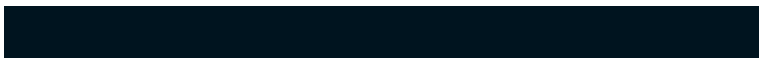
13.1207, 9.3429, 49.8275



9.5295, 10.2513, 12.1486



11.1950, 12.5018, 34.2159



0.4967, 0.6061, 1.3597

Inverse Universe

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



27.3778, 15.2991, 27.4973



46.5528, 23.7965, 42.0542



35.6219, 38.7637, 8.7379



9.7891, 9.6399, 11.2784



16.6515, 8.2918, 13.9903



0.6816, 0.3365, 0.7027

Previews

White Background



This preview shows how the XYZ color 20.4820, 24.0664, 52.2810 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 20.4820, 24.0664, 52.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

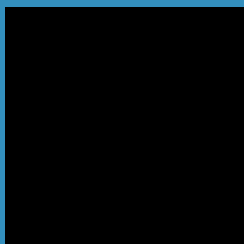
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

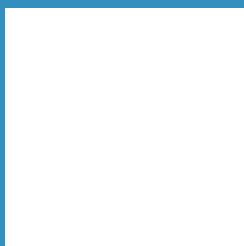
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4820, 24.0664, 52.2810

Background



This preview shows how black text looks on a background with the XYZ color 20.4820, 24.0664, 52.2810.

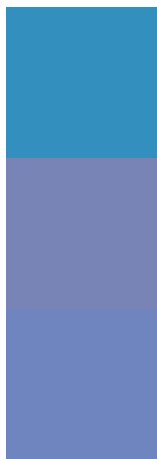


This preview shows how white text looks on a background with the XYZ color 20.4820, 24.0664,

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

20.4820, 24.0664, 52.2810

Protanopia

24.1995, 23.7607, 47.0269

Deuteranopia

24.4575, 23.9603, 53.2049



Tritanopia

17.3118, 23.9121, 36.9608

Trichromacy



Original Color

20.4820, 24.0664, 52.2810

Protanomaly

22.0720, 23.4487, 48.7101

Deuteranomaly

22.4695, 23.7768, 52.6953

Tritanomaly

18.2893, 23.8381, 42.1653

Monochromacy



Original Color

20.4820, 24.0664, 52.2810

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8624, 20.2626, 30.1638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4820, 24.0664, 52.2810 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(51, 143, 190)` looks like.

```
.text, #text, p{  
    color:rgb(51, 143, 190)  
}
```

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(51, 143, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 143, 190) }
```

Border

The CSS property to change the border of an element to XYZ 20.4820, 24.0664, 52.2810 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(51, 143, 190) }
```


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

```
.border{ border-color:rgb(51, 143, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 143, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 143, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 143, 190);  
box-shadow:4px 4px 4px 4px rgb(51, 143,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4820, 24.0664, 52.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 143, 190) }
```

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

```
.background{ background-color: rgb(51, 143,  
190) }
```

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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