

Converting Colors

XYZ(20.2179, 24.0715, 55.3166)

Have a look what the booklet for
XYZ(20.2179, 24.0715, 55.3166)
contains.

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Color

**XYZ(20.2003, 24.0808,
55.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	1890C3
RGB	24, 144, 195
RGB Percent	9%, 56%, 76%
CMY	0.9058, 0.4353, 0.2353
CMYK	0.88, 0.26, 0.00, 0.24
HSL	198°, 78%, 43%
HSV	198°, 88%, 76%
XYZ	20.2003, 24.0808, 55.2132
YIQ	113.9340, -87.8910, -9.5790

Conversions

Conversions Part 2

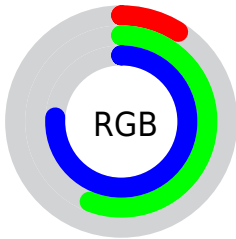
Format	Color
R_{YB}	24, 95, 195
Decimal	1609923
CIE _{Lab}	56.17, -12.69, -35.06
CIE _{LCh}	56, 37.283, 250.106
Yxy	24.0808, 0.2030, 0.2420
Android (android.graphics.Color)	4279800003 (0xFF1890C3)
YUV	113.9340, 39.9655, -78.8721
Hunter-Lab	49.0722, -12.3978, -32.3592

Details

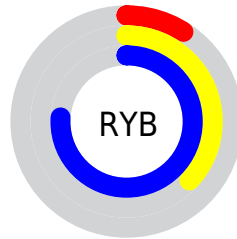
The XYZ color **20.2003, 24.0808, 55.2132** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.1887, 16.7036, 2.7620**, and the grayscale version is **15.8798, 16.7067, 18.1936**.

A 20% lighter version of the original color is **43.3583, 50.3000, 99.5191**, and **8.8104, 9.9285, 26.6513** is the 20% darker color. If you saturate the color by 10%, you get **19.0221, 22.1994, 54.9127**, and if you desaturate by 10%, it is **21.7461, 26.2198, 55.5451**.

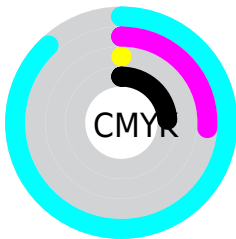
Distribution



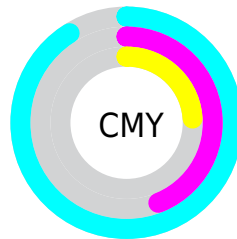
- Red (9%)
- Green (56%)
- Blue (76%)



- Red (9%)
- Yellow (37%)
- Blue (76%)



- Cyan (88%)
- Magenta (26%)
- Yellow (0%)
- Black (24%)



- Cyan (91%)
- Magenta (44%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2003, 24.0808, 55.2132 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 20.2003, 24.0808, 55.2132 by changing the saturation by 10% instead.

■ 20.2003, 24.0808,
55.2132

■ 20.2003, 24.0808,
55.2132

245.8104,
273.2287, 424.0243

■ 12.6498, 15.3936,
39.1727

■ 43.2541, 50.1620,
99.3275

■ 7.2632, 9.0961,
26.5852

■ 59.4882, 68.3248,
128.2384

■ 3.6750, 4.8039,
17.0323

■ 79.3475, 90.4149,
162.2766

■ 1.5200, 2.1327,
10.0953

■ 103.1975,
116.8167, 201.8604

■ 0.3394, 0.6829,
5.3558

■ 131.4034,
147.9146, 247.4086

■ 0.0000, 0.0000,
2.3951

164.3306,

■ 0.0000, 0.0000,

184.0929, 299.3396

0.7838

202.3444,
225.7362, 358.0720

■ 0.0000, 0.0000,
0.0000

■ 20.2003, 24.0808,
55.2132

■ 20.2003, 24.0808,
55.2132

■ 19.0221, 22.1994,
54.9127

■ 21.7461, 26.2198,
55.5451

■ 18.7727, 21.7848,
54.8458

■ 23.7291, 28.6522,
55.9101

■ 26.1997, 31.4053,
56.3113

■ 29.2005, 34.5020,
56.7508

■ 32.7690, 37.9625,
57.2307

■ 36.9393, 41.8054,
57.7527

■ 41.7426, 46.0477,
58.3183

■ 47.2078, 50.7050,
58.9292

■ 53.3621, 55.7923,
59.5868

Harmonies

Analogous

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



17.1530, 24.0808, 44.5224



20.2003, 24.0808, 55.2132



24.3627, 24.0808, 56.9410

Triad

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



20.2003, 24.0808, 55.2132



31.9836, 24.0808, 22.2980



17.9853, 24.0808, 12.0087

Complementary

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



20.2003, 24.0808, 55.2132



25.1887, 16.7036, 2.7620

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.



21.4742, 24.0808, 9.1881



20.2003, 24.0808, 55.2132



29.7772, 24.0808, 13.7789

Square

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



20.2003, 24.0808, 55.2132



31.5315, 24.0808, 35.0857



25.8043, 24.0808, 9.7153



15.9889, 24.0808, 18.9896

Rectangle

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



20.2003, 24.0808, 55.2132



27.2692, 24.0808, 52.3515



25.8043, 24.0808, 9.7153



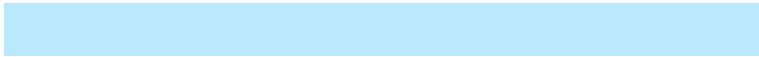
19.0033, 24.0808, 10.6588

Sweetspot

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



20.2012, 24.0816, 55.2138



67.1925, 75.8032, 103.5599



21.0776, 39.6991, 12.7629



14.0976, 16.0430, 22.6035



0.0000, 0.0000, 0.0000



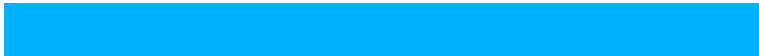
20.3446, 21.4041, 23.3091

Same Dimension

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



20.2012, 24.0816, 55.2138



33.3936, 38.5598, 98.1526



11.9001, 7.4795, 52.4468



10.1067, 10.9047, 12.8570



12.2773, 14.3112, 35.6719



0.5882, 0.7339, 1.5605

Inverse Universe

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



27.8672, 14.2701, 27.6718



48.2587, 23.9598, 43.7538



34.8904, 36.1070, 5.9959



10.3652, 10.1947, 12.0134



17.5930, 8.7270, 16.3007



0.7893, 0.3887, 0.8579

Previews

White Background



This preview shows how the XYZ color 20.2003, 24.0808, 55.2132 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 20.2003, 24.0808, 55.2132 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 20.2003, 24.0808, 55.2132

Background



This preview shows how black text looks on a background with the XYZ color 20.2003, 24.0808, 55.2132.

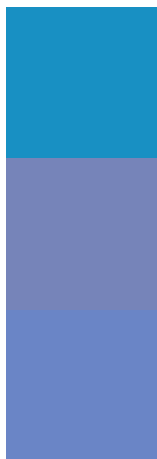


This preview shows how white text looks on a background with the XYZ color 20.2003, 24.0808,

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

20.2003, 24.0808, 55.2132

Protanopia

24.4794, 23.8569, 49.2136

Deuteranopia

24.5244, 23.9164, 56.7498



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



Original Color

20.2003, 24.0808, 55.2132

Protanomaly

21.6456, 23.1673, 51.4750

Deuteranomaly

22.0042, 23.4590, 56.1916

Tritanomaly

18.0892, 23.9426, 43.2032

Monochromacy



Original Color

20.2003, 24.0808, 55.2132

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6849, 18.3997, 28.7114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2003, 24.0808, 55.2132 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(24, 144, 195)` looks like.

```
.text, #text, p{  
    color:rgb(24, 144, 195)  
}
```

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(24, 144, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 144, 195) }
```

Border

The CSS property to change the border of an element to XYZ 20.2003, 24.0808, 55.2132 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(24, 144, 195) }
```


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

```
.border{ border-color:rgb(24, 144, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 144, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 144, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 144, 195);  
box-shadow:4px 4px 4px 4px rgb(24, 144,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2003, 24.0808, 55.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 144, 195) }
```

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

```
.background{ background-color: rgb(24, 144,  
195) }
```

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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