

Converting Colors

XYZ(20.3863, 25.6157, 51.8434)

Have a look what the booklet for
XYZ(20.3863, 25.6157, 51.8434)
contains.

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Color

**XYZ(20.4450, 25.6690,
52.0212)**

Conversions

Conversions Part 1

Format	Color
Hex	1796BD
RGB	23, 150, 189
RGB Percent	9%, 59%, 74%
CMY	0.9097, 0.4118, 0.2588
CMYK	0.88, 0.21, 0.00, 0.26
HSL	194°, 78%, 42%
HSV	194°, 88%, 74%
XYZ	20.4450, 25.6690, 52.0212
YIQ	116.4730, -88.2110, -14.7950

Conversions

Conversions Part 2

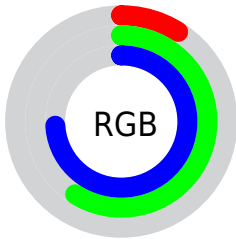
Format	Color
R_{YB}	23, 95, 189
Decimal	1545917
CIE _{Lab}	57.72, -18.18, -29.25
CIE _{LCh}	58, 34.436, 238.133
Yxy	25.6690, 0.2083, 0.2616
Android (android.graphics.Color)	4279735997 (0xFF1796BD)
YUV	116.4730, 35.7558, -81.9758
Hunter-Lab	50.6646, -16.6318, -25.4124

Details

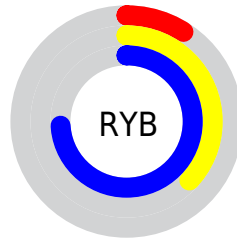
The XYZ color **20.4450, 25.6690, 52.0212** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.8650, 14.3282, 2.3721**, and the grayscale version is **16.6607, 17.5284, 19.0884**.

A 20% lighter version of the original color is **43.5538, 52.6031, 94.2441**, and **8.9058, 10.7013, 24.8887** is the 20% darker color. If you saturate the color by 10%, you get **19.4484, 24.1235, 51.7759**, and if you desaturate by 10%, it is **21.7658, 27.4224, 52.2905**.

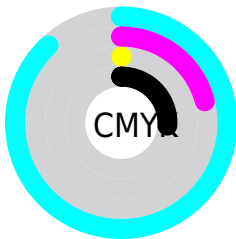
Distribution



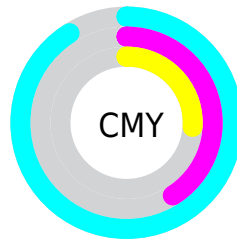
- Red (9%)
- Green (59%)
- Blue (74%)



- Red (9%)
- Yellow (37%)
- Blue (74%)



- Cyan (88%)
- Magenta (21%)
- Yellow (0%)
- Black (26%)



- Cyan (91%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4450, 25.6690, 52.0212 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 20.4450, 25.6690, 52.0212 by changing the saturation by 10% instead.

■ 20.4450, 25.6690,
52.0212

■ 20.4450, 25.6690,
52.0212

247.1020,
281.1534, 411.4777

■ 12.8291, 16.5762,
36.6396

■ 43.6603, 52.7405,
94.5894

■ 7.3871, 9.9328,
24.6350

■ 59.9903, 71.4879,
122.6131

■ 3.7538, 5.3544,
15.5888

■ 79.9558, 94.2224,
155.6879

■ 1.5638, 2.4567,
9.0824

■ 103.9221,
121.3282, 194.2324

■ 0.3687, 0.8548,
4.6974

■ 132.2545,
153.1898, 238.6651

■ 0.0000, 0.0000,
2.0152

165.3184,

■ 0.0000, 0.0000,

190.1917, 289.4045

0.5646

203.4791,
232.7181, 346.8692

■ 0.0000, 0.0000,
0.0000

■ 20.4450, 25.6690,
52.0212

■ 20.4450, 25.6690,
52.0212

■ 19.4484, 24.1235,
51.7759

■ 21.7658, 27.4224,
52.2905

■ 19.2488, 23.8009,
51.7242

■ 23.4769, 29.4168,
52.5853

■ 25.6249, 31.6772,
52.9084

■ 28.2489, 34.2241,
53.2617

■ 31.3834, 37.0757,
53.6469

■ 35.0596, 40.2485,
54.0656

■ 39.3062, 43.7578,
54.5191

■ 44.1498, 47.6175,
55.0088

■ 49.6152, 51.8409,
55.5360

Harmonies

Analogous

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



18.0500, 25.6690, 40.0871



20.4450, 25.6690, 52.0212



24.1401, 25.6690, 57.3564

Triad

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



20.4450, 25.6690, 52.0212



33.2150, 25.6690, 28.6958



20.8454, 25.6690, 12.3216

Complementary

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



20.4450, 25.6690, 52.0212



22.8650, 14.3282, 2.3721

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.



24.6569, 25.6690, 10.8378



20.4450, 25.6690, 52.0212



32.0822, 25.6690, 18.5480

Square

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



20.4450, 25.6690, 52.0212



31.7730, 25.6690, 41.7395



28.8294, 25.6690, 12.7552



18.2622, 25.6690, 17.5897

Rectangle

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



20.4450, 25.6690, 52.0212



26.9504, 25.6690, 55.5728



28.8294, 25.6690, 12.7552



22.0113, 25.6690, 11.4422

Sweetspot

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



20.4459, 25.6699, 52.0218



63.7964, 72.9300, 96.9407



19.4142, 36.9231, 10.6250



13.1942, 15.2397, 20.7887



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.



20.4459, 25.6699, 52.0218



34.2811, 42.2407, 92.5727



11.5631, 7.9044, 49.0609



9.6134, 10.4192, 12.1766



13.0118, 16.1353, 34.8215



0.5567, 0.7260, 1.3797

Inverse Universe

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



26.7985, 13.6346, 30.0743



46.5863, 22.9765, 49.1515



31.2270, 31.0521, 5.1595



9.8315, 9.6569, 11.5016



17.5685, 8.6586, 18.8193



0.7119, 0.3487, 0.8621

Previews

White Background



This preview shows how the XYZ color 20.4450, 25.6690, 52.0212 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 20.4450, 25.6690, 52.0212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

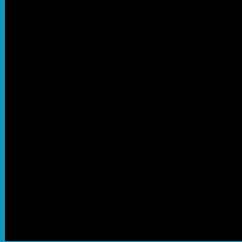
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4450, 25.6690, 52.0212

Background



This preview shows how black text looks on a background with the XYZ color 20.4450, 25.6690, 52.0212.

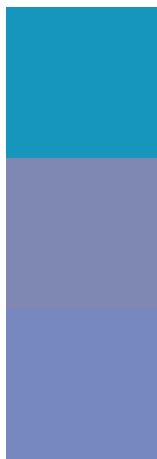


This preview shows how white text looks on a background with the XYZ color 20.4450, 25.6690,

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

20.4450, 25.6690, 52.0212

Protanopia

25.6932, 25.3750, 46.1915

Deuteranopia

25.9263, 25.3360, 53.3930



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



Original Color

20.4450, 25.6690, 52.0212

Protanomaly

22.1919, 24.5925, 48.3769

Deuteranomaly

22.5850, 24.6962, 52.8667

Tritanomaly

18.9684, 25.5641, 43.9790

Monochromacy



Original Color

20.4450, 25.6690, 52.0212

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.1568, 19.2154, 28.8440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4450, 25.6690, 52.0212 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(23, 150, 189)` looks like.

```
.text, #text, p{  
    color:rgb(23, 150, 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(23, 150, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 150, 189) }
```

Border

The CSS property to change the border of an element to XYZ 20.4450, 25.6690, 52.0212 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(23, 150, 189) }
```


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

```
.border{ border-color:rgb(23, 150, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 150, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 150, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 150, 189);  
box-shadow:4px 4px 4px 4px rgb(23, 150,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4450, 25.6690, 52.0212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 150, 189) }
```

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

```
.background{ background-color: rgb(23, 150,  
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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