

Converting Colors

XYZ(20.5016, 21.7716, 40.1424)

Have a look what the booklet for
XYZ(20.5016, 21.7716, 40.1424)
contains.

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Color

**XYZ(20.5510, 21.8265,
40.1756)**

Conversions

Conversions Part 1

Format	Color
Hex	6583A8
RGB	101, 131, 168
RGB Percent	40%, 51%, 66%
CMY	0.6039, 0.4863, 0.3412
CMYK	0.40, 0.22, 0.00, 0.34
HSL	213°, 28%, 53%
HSV	213°, 40%, 66%
XYZ	20.5510, 21.8265, 40.1756
YIQ	126.2480, -29.7570, 5.1470

Conversions

Conversions Part 2

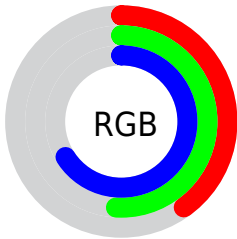
Format	Color
R_{YB}	101, 122, 168
Decimal	6652840
CIE _{Lab}	53.84, -0.94, -23.03
CIE _{LCh}	54, 23.050, 267.654
Yxy	21.8265, 0.2489, 0.2644
Android (android.graphics.Color)	4284842920 (0xFF6583A8)
YUV	126.2480, 20.5837, -22.1425
Hunter-Lab	46.7188, -3.2382, -18.2829

Details

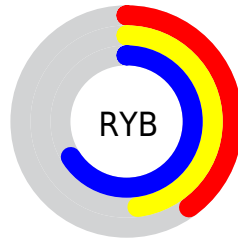
The XYZ color **20.5510, 21.8265, 40.1756** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5863, 27.4417, 16.1554**, and the grayscale version is **19.8555, 20.8896, 22.7488**.

A 20% lighter version of the original color is **43.7862, 46.4787, 76.4755**, and **7.4851, 7.9737, 17.6676** is the 20% darker color. If you saturate the color by 10%, you get **17.6681, 18.5730, 39.7000**, and if you desaturate by 10%, it is **23.9315, 25.5031, 40.7075**.

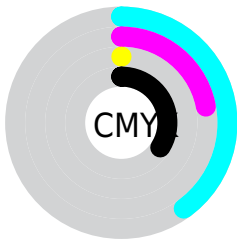
Distribution



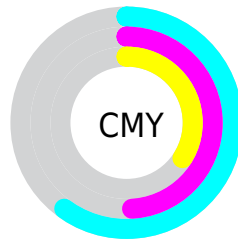
- Red (40%)
- Green (51%)
- Blue (66%)



- Red (40%)
- Yellow (48%)
- Blue (66%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (34%)



- Cyan (60%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5510, 21.8265, 40.1756 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 20.5510, 21.8265, 40.1756 by changing the saturation by 10% instead.

■ 20.5510, 21.8265,
40.1756

■ 20.5510, 21.8265,
40.1756

247.6597,
261.6389, 362.4372

■ 12.9068, 13.7295,
27.3607

■ 43.8360, 46.4591,
76.6708

■ 7.4409, 7.9327,
17.6094

■ 60.2075, 63.7634,
101.1882

■ 3.7881, 4.0519,
10.5034

■ 80.2188, 84.9056,
130.4435

■ 1.5830, 1.7027,
5.6241

■ 104.2352,
110.2701, 164.8552

■ 0.3813, 0.4254,
2.5528

132.6222,
140.2413, 204.8419

■ 0.0000, 0.0000,
0.8679

165.7450,

■ 0.0000, 0.0000,

175.2036, 250.8221

0.0000

203.9691,
215.5413, 303.2144

■ 20.5510, 21.8265,
40.1756

■ 20.5510, 21.8265,
40.1756

■ 17.6681, 18.5730,
39.7000

■ 23.9315, 25.5031,
40.7075

■ 15.2541, 15.7221,
39.2769

■ 27.8317, 29.6169,
41.2960

■ 13.2805, 13.2551,
38.9047

■ 32.2751, 34.1846,
41.9434

■ 11.7143, 11.1503,
38.5810

■ 37.2830, 39.2211,
42.6516

■ 10.5175, 9.3830,
38.3030

■ 42.8755, 44.7403,
43.4222

■ 9.6096, 7.9066,
38.0659

■ 49.0716, 50.7559,
44.2567

■ 9.5994, 7.8901,
38.0632

■ 55.8896, 57.2807,
45.1568

■ 63.3467, 64.3271,
46.1238

■ 71.4597, 71.9070,
47.1593

Harmonies

Analogous

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



18.2989, 21.8265, 37.2602



20.5510, 21.8265, 40.1756



23.0367, 21.8265, 38.0192

Triad

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



20.5510, 21.8265, 40.1756



25.2591, 21.8265, 17.9772



16.9744, 21.8265, 17.1859

Complementary

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



20.5510, 21.8265, 40.1756



27.5863, 27.4417, 16.1554

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.



18.6114, 21.8265, 13.6107



20.5510, 21.8265, 40.1756



23.4009, 21.8265, 13.9996

Square

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



20.5510, 21.8265, 40.1756



25.8803, 21.8265, 24.3283



20.9411, 21.8265, 12.5711



16.3391, 21.8265, 23.2111

Rectangle

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



20.5510, 21.8265, 40.1756



24.4705, 21.8265, 34.1946



20.9411, 21.8265, 12.5711



17.4190, 21.8265, 15.7068

Sweetspot

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



20.5517, 21.8273, 40.1761



56.5897, 60.0172, 75.8270



23.9466, 32.6031, 29.0194



12.1127, 12.8547, 16.4949



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5517, 21.8273, 40.1761



32.5445, 34.2595, 72.1226



17.4718, 15.0992, 39.0398



7.3980, 7.8329, 9.5403



7.2988, 6.0578, 28.7601



0.2290, 0.2502, 0.7169

Inverse Universe

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



24.8995, 19.2715, 23.8811



41.7732, 29.7286, 37.3336



31.7964, 36.9072, 17.7605



7.6655, 7.5961, 8.5557



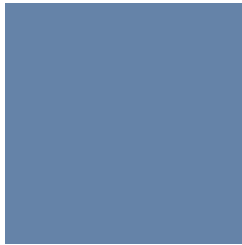
13.1847, 6.6826, 5.7842



0.3467, 0.1730, 0.2774

Previews

White Background



This preview shows how the XYZ color 20.5510, 21.8265, 40.1756 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 20.5510, 21.8265, 40.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

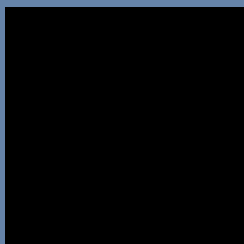
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

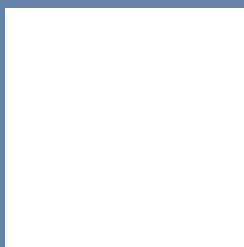
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5510, 21.8265, 40.1756

Background



This preview shows how black text looks on a background with the XYZ color 20.5510, 21.8265, 40.1756.



This preview shows how white text looks on a background with the XYZ color 20.5510, 21.8265,

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

20.5510, 21.8265, 40.1756

Protanopia

21.8521, 21.7469, 38.6432

Deuteranopia

22.2300, 21.7082, 40.5546



Tritanopia

18.5716, 21.8362, 30.4301

Trichromacy



Original Color

20.5510, 21.8265, 40.1756

Protanomaly

21.2842, 21.6363, 39.1308

Deuteranomaly

21.5627, 21.7477, 40.5974

Tritanomaly

19.2876, 21.9247, 33.7872

Monochromacy



Original Color

20.5510, 21.8265, 40.1756

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8630, 21.1433, 28.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5510, 21.8265, 40.1756 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(101, 131, 168)` looks like.

```
.text, #text, p{  
    color:rgb(101, 131, 168)  
}
```

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(101, 131, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 131, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.5510, 21.8265, 40.1756 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(101, 131, 168) }
```


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

```
.border{ border-color:rgb(101, 131, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 131, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 131, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 131, 168);  
box-shadow:4px 4px 4px 4px rgb(101, 131,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5510, 21.8265, 40.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 131, 168) }
```

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

```
.background{ background-color: rgb(101,  
131, 168) }
```

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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