

Converting Colors

XYZ(20.7992, 26.6643, 44.8194)

Have a look what the booklet for
XYZ(20.7992, 26.6643, 44.8194)
contains.

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Color

**XYZ(20.8164, 26.7475,
44.6231)**

Conversions

Conversions Part 1

Format	Color
Hex	3999AF
RGB	57, 153, 175
RGB Percent	22%, 60%, 69%
CMY	0.7764, 0.4000, 0.3137
CMYK	0.67, 0.13, 0.00, 0.31
HSL	191°, 51%, 45%
HSV	191°, 67%, 69%
XYZ	20.8164, 26.7475, 44.6231
YIQ	126.8040, -64.2780, -13.5100

Conversions

Conversions Part 2

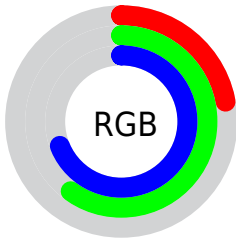
Format	Color
RYB	57, 110, 175
Decimal	3774895
CIELab	58.74, -20.77, -19.70
CIELCh	59, 28.622, 223.485
Yxy	26.7475, 0.2258, 0.2901
Android (android.graphics.Color)	4281964975 (0xFF3999AF)
YUV	126.8040, 23.7606, -61.2181
Hunter-Lab	51.7180, -18.6605, -14.9538

Details

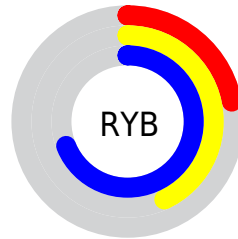
The XYZ color **20.8164, 26.7475, 44.6231** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.2144, 15.0021, 5.6492**, and the grayscale version is **20.0434, 21.0873, 22.9640**.

A 20% lighter version of the original color is **44.4509, 54.7328, 83.8230**, and **8.3265, 10.9328, 20.4103** is the 20% darker color. If you saturate the color by 10%, you get **19.4588, 25.2662, 44.4092**, and if you desaturate by 10%, it is **22.5341, 28.4372, 44.8592**.

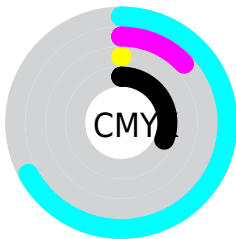
Distribution



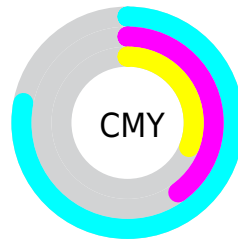
- Red (22%)
- Green (60%)
- Blue (69%)



- Red (22%)
- Yellow (43%)
- Blue (69%)



- Cyan (67%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (78%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8164, 26.7475, 44.6231 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 20.8164, 26.7475, 44.6231 by changing the saturation by 10% instead.

■ 20.8164, 26.7475,
44.6231

■ 20.8164, 26.7475,
44.6231

249.0514,
286.4325, 381.3605

■ 13.1016, 17.3837,
30.8199

■ 44.2754, 54.4784,
83.4670

■ 7.5760, 10.5084,
20.2044

■ 60.7502, 73.6143,
109.3447

■ 3.8744, 5.7373,
12.3582

■ 80.8757, 96.7763,
140.0844

■ 1.6313, 2.6860,
6.8626

■ 105.0173,
124.3489, 176.1045

■ 0.4127, 0.9701,
3.2992

■ 133.5403,
156.7164, 217.8237

■ 0.0000, 0.0000,
1.2494

166.8101,

■ 0.0000, 0.0000,

194.2632, 265.6603

0.0197

205.1920,
237.3738, 320.0331

■ 0.0000, 0.0000,
0.0000

■ 20.8164, 26.7475,
44.6231

■ 20.8164, 26.7475,
44.6231

■ 19.4588, 25.2662,
44.4092

■ 22.5341, 28.4372,
44.8592

■ 18.4216, 23.9710,
44.2139

■ 24.6413, 30.3490,
45.1172

■ 17.6491, 22.8337,
44.0351

■ 27.1671, 32.4986,
45.3990

■ 17.4668, 22.5529,
43.9905

■ 30.1371, 34.8994,
45.7058

■ 33.5749, 37.5637,
46.0389

■ 37.5023, 40.5029,
46.3992

■ 41.9398, 43.7277,
46.7878

■ 46.9065, 47.2481,
47.2055

■ 52.4206, 51.0738,
47.6533

Harmonies

Analogous

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



19.3864, 26.7475, 33.8871



20.8164, 26.7475, 44.6231



23.5447, 26.7475, 51.9721

Triad

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



20.8164, 26.7475, 44.6231



32.4882, 26.7475, 34.9958



23.8752, 26.7475, 14.0349

Complementary

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



20.8164, 26.7475, 44.6231



21.2144, 15.0021, 5.6492

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.



27.3980, 26.7475, 14.1988



20.8164, 26.7475, 44.6231



32.5976, 26.7475, 24.8287

Square

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



20.8164, 26.7475, 44.6231



30.3766, 26.7475, 45.5947



30.6628, 26.7475, 17.7063



21.0390, 26.7475, 17.1905

Rectangle

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



20.8164, 26.7475, 44.6231



25.8368, 26.7475, 53.1054



30.6628, 26.7475, 17.7063



25.0131, 26.7475, 13.7304

Sweetspot

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



20.8173, 26.7485, 44.6237



58.2439, 65.8310, 82.2737



18.4160, 32.0896, 12.5515



12.5648, 14.3375, 18.2495



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.8173, 26.7485, 44.6237



33.8583, 44.0570, 79.3562



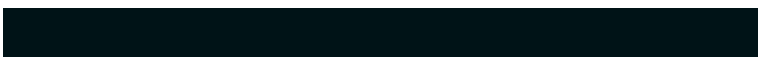
13.4614, 12.0367, 42.1718



8.1075, 8.8144, 10.2267



12.5502, 16.2342, 31.5166



0.3815, 0.5164, 0.8875

Inverse Universe

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



24.8928, 14.3409, 31.5941



42.1208, 21.8952, 52.2699



27.4544, 27.4822, 7.7292



8.2721, 8.1221, 9.7435



16.1984, 7.9419, 19.2220



0.4670, 0.2275, 0.6208

Previews

White Background



This preview shows how the XYZ color 20.8164, 26.7475, 44.6231 looks on a white background.

Color Contrast Check

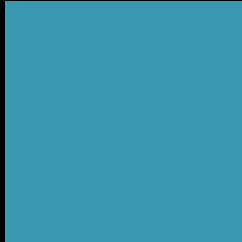
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8164, 26.7475, 44.6231 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

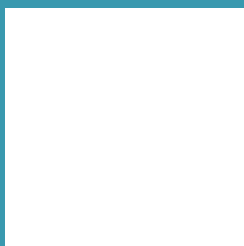
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8164, 26.7475, 44.6231

Background



This preview shows how black text looks on a background with the XYZ color 20.8164, 26.7475, 44.6231.

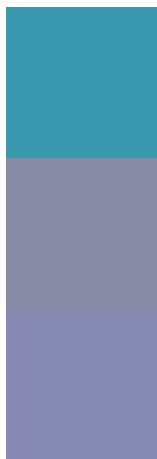


This preview shows how white text looks on a background with the XYZ color 20.8164, 26.7475,

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

20.8164, 26.7475, 44.6231

Protanopia

26.1072, 26.3693, 39.7902

Deuteranopia

26.9559, 26.4596, 45.8060



Tritanopia

19.9468, 26.6313, 40.6483

Trichromacy



Original Color

20.8164, 26.7475, 44.6231

Protanomaly

23.1981, 25.9369, 41.3198

Deuteranomaly

23.7021, 25.8834, 45.3417

Tritanomaly

20.3326, 26.7978, 42.1311

Monochromacy



Original Color

20.8164, 26.7475, 44.6231

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.3177, 22.4467, 29.7001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8164, 26.7475, 44.6231 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(57, 153, 175)` looks like.

```
.text, #text, p{  
    color:rgb(57, 153, 175)  
}
```

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(57, 153, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 153, 175) }
```

Border

The CSS property to change the border of an element to XYZ 20.8164, 26.7475, 44.6231 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(57, 153, 175) }
```


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

```
.border{ border-color:rgb(57, 153, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 153, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 153, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 153, 175);  
box-shadow:4px 4px 4px 4px rgb(57, 153,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8164, 26.7475, 44.6231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 153, 175) }
```

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

```
.background{ background-color: rgb(57, 153,  
175) }
```

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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