

Converting Colors

XYZ(20.3835, 27.8538, 35.7674)

Have a look what the booklet for
XYZ(20.3835, 27.8538, 35.7674)
contains.

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Color

**XYZ(20.4744, 28.0123,
35.7803)**

Conversions

Conversions Part 1

Format	Color
Hex	429E9C
RGB	66, 158, 156
RGB Percent	26%, 62%, 61%
CMY	0.7412, 0.3804, 0.3882
CMYK	0.58, 0.00, 0.01, 0.38
HSL	179°, 41%, 44%
HSV	179°, 58%, 62%
XYZ	20.4744, 28.0123, 35.7803
YIQ	130.2640, -54.1900, -20.1260

Conversions

Conversions Part 2

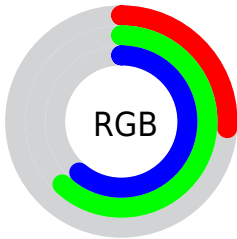
Format	Color
R _Y B	66, 113, 158
Decimal	4365980
CIE Lab	59.90, -27.43, -7.15
CIE LCh	60, 28.344, 194.617
Yxy	28.0123, 0.2430, 0.3324
Android (android.graphics.Color)	4282556060 (0xFF429E9C)
YUV	130.2640, 12.6878, -56.3595
Hunter-Lab	52.9266, -23.5698, -3.0335

Details

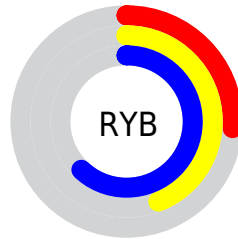
The XYZ color **20.4744, 28.0123, 35.7803** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.0931, 11.5838, 6.8048**, and the grayscale version is **21.2826, 22.3910, 24.3837**.

A 20% lighter version of the original color is **43.5955, 56.4526, 69.5715**, and **7.7038, 11.3280, 15.1451** is the 20% darker color. If you saturate the color by 10%, you get **19.5246, 27.5266, 35.5847**, and if you desaturate by 10%, it is **21.7200, 28.6517, 35.9914**.

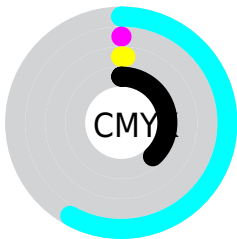
Distribution



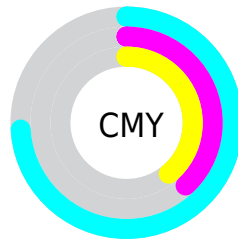
- Red (26%)
- Green (62%)
- Blue (61%)



- Red (26%)
- Yellow (44%)
- Blue (62%)



- Cyan (58%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (74%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4744, 28.0123, 35.7803 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 20.4744, 28.0123, 35.7803 by changing the saturation by 10% instead.

■ 20.4744, 28.0123,
35.7803

■ 20.4744, 28.0123,
35.7803

247.2568,
292.5257, 343.0076

■ 12.8506, 18.3349,
23.9762

■ 43.7090, 56.5041,
69.8581

■ 7.4020, 11.1907,
15.1039

■ 60.0506, 76.0873,
92.9688

■ 3.7633, 6.1953,
8.7449

■ 80.0288, 99.7412,
120.6855

■ 1.5691, 2.9642,
4.4807

■ 104.0090,
127.8503, 153.4268

■ 0.3722, 1.1131,
1.8926

■ 132.3565,
160.7989, 191.6110

■ 0.0000, 0.0000,
0.4880

165.4368,

■ 0.0000, 0.0000,

198.9714, 235.6569

0.0000

203.6151,
242.7522, 285.9829

■ 20.4744, 28.0123,
35.7803

■ 20.4744, 28.0123,
35.7803

■ 19.5246, 27.5266,
35.5847

■ 21.7200, 28.6517,
35.9914

■ 18.8432, 27.1787,
35.4015

■ 23.2811, 29.4531,
36.2171

■ 18.4021, 26.9547,
35.2300

■ 25.1782, 30.4277,
36.4589

■ 18.1474, 26.8267,
35.0676

■ 27.4298, 31.5851,
36.7177

■ 18.1072, 26.8066,
35.0391

■ 30.0529, 32.9339,
36.9944

■ 33.0633, 34.4824,
37.2896

■ 36.4759, 36.2383,
37.6041

■ 40.3051, 38.2088,
37.9385

■ 44.5642, 40.4010,
38.2935

Harmonies

Analogous

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



20.4945, 28.0123, 25.5396



20.4744, 28.0123, 35.7803



21.9965, 28.0123, 46.6455

Triad

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



20.4744, 28.0123, 35.7803



31.7870, 28.0123, 46.8947



28.5031, 28.0123, 15.1048

Complementary

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



20.4744, 28.0123, 35.7803



17.0931, 11.5838, 6.8048

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.



31.8607, 28.0123, 18.5910



20.4744, 28.0123, 35.7803



33.8699, 28.0123, 36.0658

Square

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



20.4744, 28.0123, 35.7803



28.4096, 28.0123, 53.9778



33.8980, 28.0123, 25.7677



24.9164, 28.0123, 15.0619

Rectangle

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



20.4744, 28.0123, 35.7803



23.7672, 28.0123, 52.1383



33.8980, 28.0123, 25.7677



29.7028, 28.0123, 15.8705

Sweetspot

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



20.4752, 28.0134, 35.7810



50.2084, 57.5608, 66.7204



15.6701, 26.1158, 9.3699



11.1334, 12.8814, 15.0216



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.4752, 28.0134, 35.7810



35.0161, 49.7620, 64.5124



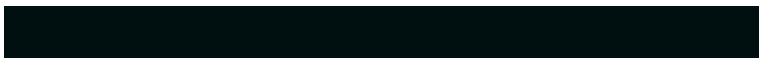
14.5576, 15.9046, 34.6516



6.8156, 7.5070, 8.4637



14.5035, 21.4693, 28.0721



0.2611, 0.3846, 0.5112

Inverse Universe

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



17.0931, 11.5838, 6.8048



28.2846, 17.0251, 6.8132



20.5465, 18.5866, 7.6596



6.6386, 6.6484, 6.9481



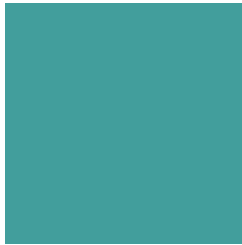
11.3101, 5.8286, 0.6181



0.2037, 0.1048, 0.0191

Previews

White Background



This preview shows how the XYZ color 20.4744, 28.0123, 35.7803 looks on a white background.

Color Contrast Check

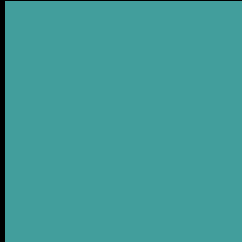
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4744, 28.0123, 35.7803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

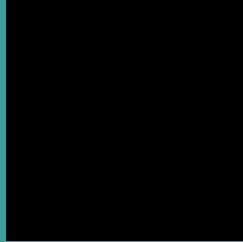
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4744, 28.0123, 35.7803

Background



This preview shows how black text looks on a background with the XYZ color 20.4744, 28.0123, 35.7803.

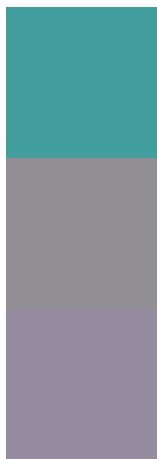


This preview shows how white text looks on a background with the XYZ color 20.4744, 28.0123,

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

20.4744, 28.0123, 35.7803

Protanopia

26.7660, 27.7712, 31.5534

Deuteranopia

28.3009, 27.7783, 37.1278



Tritanopia

21.6484, 27.9811, 41.7960

Trichromacy



Original Color

20.4744, 28.0123, 35.7803

Protanomaly

23.2974, 27.0948, 32.8561

Deuteranomaly

24.2995, 27.2926, 36.7882

Tritanomaly

21.2121, 28.0595, 39.4200

Monochromacy



Original Color

20.4744, 28.0123, 35.7803

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.1017, 23.7460, 27.9501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4744, 28.0123, 35.7803 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(66, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(66, 158, 156)  
}
```

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(66, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 158, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.4744, 28.0123, 35.7803 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(66, 158, 156) }
```


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

```
.border{ border-color:rgb(66, 158, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(66, 158,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4744, 28.0123, 35.7803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 158, 156) }
```

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

```
.background{ background-color: rgb(66, 158,  
156) }
```

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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