

Converting Colors

XYZ(16.3265, 20.2594, 30.6537)

Have a look what the booklet for
XYZ(16.3265, 20.2594, 30.6537)
contains.

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Color

**XYZ(16.3265, 20.2594,
30.6537)**

Conversions

Conversions Part 1

Format	Color
Hex	488593
RGB	72, 133, 147
RGB Percent	28%, 52%, 58%
CMY	0.7176, 0.4784, 0.4235
CMYK	0.51, 0.10, 0.00, 0.42
HSL	191°, 34%, 43%
HSV	191°, 51%, 58%
XYZ	16.3265, 20.2594, 30.6537
YIQ	116.3570, -40.8500, -8.5780

Conversions

Conversions Part 2

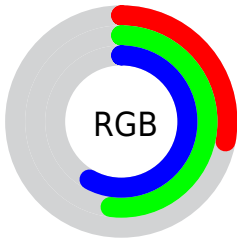
Format	Color
R_{YB}	72, 106, 147
Decimal	4752787
CIE _{Lab}	52.13, -15.72, -13.62
CIE _{LCh}	52, 20.796, 220.902
Yxy	20.2594, 0.2428, 0.3013
Android (android.graphics.Color)	4282942867 (0xFF488593)
YUV	116.3570, 15.1070, -38.9011
Hunter-Lab	45.0104, -14.0215, -8.8713

Details

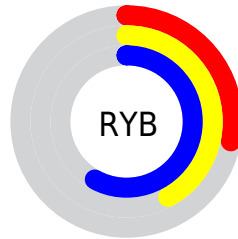
The XYZ color **16.3265, 20.2594, 30.6537** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5305, 13.3269, 7.8326**, and the grayscale version is **16.6747, 17.5430, 19.1044**.

A 20% lighter version of the original color is **36.7057, 43.7705, 61.7723**, and **5.3172, 7.0891, 12.1544** is the 20% darker color. If you saturate the color by 10%, you get **14.9883, 19.0196, 30.4853**, and if you desaturate by 10%, it is **17.9378, 21.6555, 30.8386**.

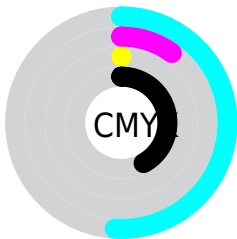
Distribution



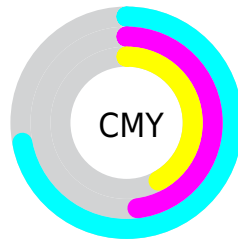
- Red (28%)
- Green (52%)
- Blue (58%)



- Red (28%)
- Yellow (42%)
- Blue (58%)



- Cyan (51%)
- Magenta (10%)
- Yellow (0%)
- Black (42%)



- Cyan (72%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3265, 20.2594, 30.6537 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 16.3265, 20.2594, 30.6537 by changing the saturation by 10% instead.

■ 16.3265, 20.2594,
30.6537

■ 16.3265, 20.2594,
30.6537

224.4934,
253.3160, 319.2414

■ 9.8478, 12.5837,
20.0790

■ 36.7170, 43.8517,
61.7676

■ 5.3596, 7.1425,
12.2679

■ 51.3595, 60.5371,
83.1440

■ 2.4967, 3.5514,
6.8016

■ 69.4540, 80.9945,
108.9579

■ 0.8936, 1.4259,
3.2618

■ 91.3658, 105.6083,
139.6281

■ 0.0000, 0.2357,
1.2298

■ 117.4603,
134.7630, 175.5730

■ 0.0000, 0.0000,
0.0032

148.1028,

■ 0.0000, 0.0000,

168.8429, 217.2111

0.0000

183.6587,
208.2324, 264.9611

■ 16.3265, 20.2594,
30.6537

■ 16.3265, 20.2594,
30.6537

■ 14.9883, 19.0196,
30.4853

■ 17.9378, 21.6555,
30.8386

■ 13.9023, 17.9237,
30.3310

■ 19.8376, 23.2146,
31.0394

■ 13.0474, 16.9614,
30.1903

■ 22.0422, 24.9455,
31.2573

■ 12.3984, 16.1195,
30.0620

■ 24.5661, 26.8560,
31.4931

■ 11.9305, 15.4346,
29.9545

■ 27.4230, 28.9531,
31.7473

■ 30.6258, 31.2437,
32.0206

■ 34.1864, 33.7339,
32.3136

■ 38.1165, 36.4299,
32.6268

■ 42.4271, 39.3374,
32.9608

Harmonies

Analogous

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



15.5118, 20.2594, 24.3498



16.3265, 20.2594, 30.6537



17.9482, 20.2594, 35.0854

Triad

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



16.3265, 20.2594, 30.6537



23.3861, 20.2594, 26.1187



18.4926, 20.2594, 12.4387

Complementary

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



16.3265, 20.2594, 30.6537



16.5305, 13.3269, 7.8326

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.



20.6257, 20.2594, 12.7369



16.3265, 20.2594, 30.6537



23.5588, 20.2594, 19.9167

Square

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



16.3265, 20.2594, 30.6537



22.0606, 20.2594, 32.1521



22.5164, 20.2594, 15.2428



16.6997, 20.2594, 14.3359

Rectangle

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



16.3265, 20.2594, 30.6537



19.3204, 20.2594, 35.9694



22.5164, 20.2594, 15.2428



19.1917, 20.2594, 12.2959

Sweetspot

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



16.3271, 20.2602, 30.6542



41.9832, 46.5868, 56.2140



14.7764, 22.9135, 12.3960



9.3868, 10.4855, 12.8140



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.3271, 20.2602, 30.6542



26.5774, 33.8047, 54.5588



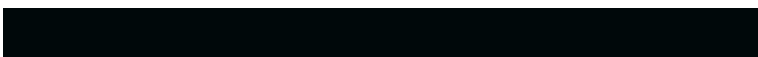
12.0996, 11.8052, 29.2450



5.8731, 6.3801, 7.3917



10.3597, 13.4142, 25.9742



0.1459, 0.2024, 0.3243

Inverse Universe

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



18.5842, 12.5318, 23.6306



31.2431, 18.9676, 39.7846



20.3168, 20.8995, 9.0947



5.9894, 5.8908, 7.0502



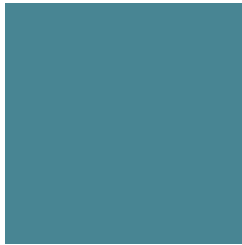
13.3562, 6.5475, 15.8885



0.1731, 0.0840, 0.2453

Previews

White Background



This preview shows how the XYZ color 16.3265, 20.2594, 30.6537 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 16.3265, 20.2594, 30.6537 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

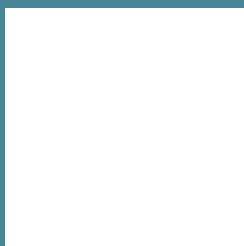
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3265, 20.2594, 30.6537

Background



This preview shows how black text looks on a background with the XYZ color 16.3265, 20.2594, 30.6537.



This preview shows how white text looks on a background with the XYZ color 16.3265, 20.2594,

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

16.3265, 20.2594, 30.6537

Protanopia

19.7017, 20.1243, 27.6569

Deuteranopia

20.5108, 20.0877, 31.6504



Tritanopia

16.0201, 20.1283, 29.4264

Trichromacy



Original Color

16.3265, 20.2594, 30.6537

Protanomaly

18.1408, 20.0455, 28.8996

Deuteranomaly

18.4674, 19.7802, 31.2784

Tritanomaly

16.0969, 20.1590, 29.8307

Monochromacy



Original Color

16.3265, 20.2594, 30.6537

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0458, 18.1607, 22.7383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3265, 20.2594, 30.6537 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(72, 133, 147)` looks like.

```
.text, #text, p{  
    color:rgb(72, 133, 147)  
}
```

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(72, 133, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 133, 147) }
```

Border

The CSS property to change the border of an element to XYZ 16.3265, 20.2594, 30.6537 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(72, 133, 147) }
```


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

```
.border{ border-color:rgb(72, 133, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 133, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 133, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 133, 147);  
box-shadow:4px 4px 4px 4px rgb(72, 133,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3265, 20.2594, 30.6537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 133, 147) }
```

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

```
.background{ background-color: rgb(72, 133,  
147) }
```

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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